62

LIBRARY
RECEIVED
★ APR 20
U. S. Department of
1962

TEMPLE GLOW

Our Aporophyllum hybrids are very free flowering and lovely plants. A cascade of color in the spring. This charming variety has an inner cup of pink petals, the outer recurving segments being orange. Easily grown in the window garden if protected from the noonday sun See page 7 for culture and list of color varieties. Potted plants..... **$1**

Orchid Cactus "WAIKIKI RAINBOW"

A very handsome variety with perfect flower form. The blossoms open widely, the frilly white stamens and stigma filling the throat. A vigorous growing plant the stems tapering to a point. Very free flowering opening in April and May. An excellent variety for the beginner as well as the fancier. Only those who have grown Orchid Cacti can realize the beauty, colorfulness and diversity to be found in this group. Potted strong plants..... **$1.50**

LIBRARY
RECEIVED
★ APR 20 1962 ★
U.S. Department of Agriculture

JOHNSON CACTUS GARDENS

PARAMOUNT CALIFORNIA

PRICE 25c

Christmas Cactus "PINK PERFECTION"

Almost everyone has admired Christmas Cacti but few know the great range in color and time of flowering to be had. Pink Perfection is one of newer ones with lovely, clear pink blossoms. A free flowering variety and one sure to flower. It has a long blooming period, November, December and January. Potted..... **$1.50**

CHRISTMAS RED

A very choice new plant of ours, Disophyllum "Christmas Red." Flowers from November to May. Graceful drooping stems covered for months with handsome red blossoms through the darkest days of winter. Of quick, healthy gorwth. A must for every shady window. Nice potted plants..... **$1**

PURPLE KING

This new Christmas Cactus of ours is one of the brightest colored ones yet introduced. The color is a vivid rhodamine-purple. It is a wild form from Brazil. A very free flowering plant of vigorous, healthy growth. A year old plant had 26 blossoms. Potted small plants..... **$2**

NURSERY ADDRESS: 16613 So. Garfield Ave., Paramount, California. Nursery open: Monday-Saturday 8-5. Sunday 10-5. Closed all legal holidays. Phones: MEtcalf 3-7315. L.A. line NEvada 6-1555.

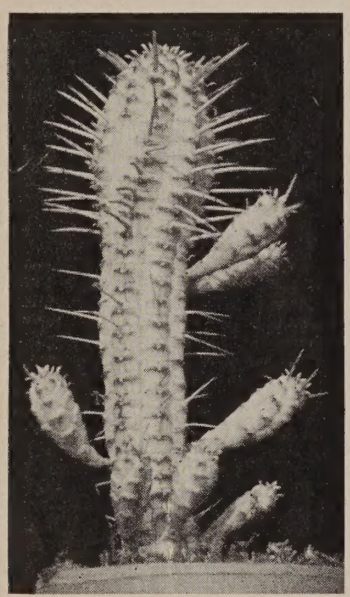
FOR THE ULTIMATE IN SERVICE — MAY WE SUGGEST

KEYED CULTURAL DIRECTIONS

P. Means partial shade or filtered light. Not dense shade or away from window.
S. Full sunlight in winter. In summer if indoors behind a **closed window protect from noon sun.**
M. Moist without keeping wet.
SR. Summer rest period. Some South African succulents as Lithrops and Split Rock normally rest during our summer. These should be kept on the dry side from June to early September. Water lightly occasionally to prevent shrieveling. If over-watered when dormant they may turn soft.

MISCELLANEOUS
NEW AND RARE SUCCULENTS

Adromischus alstonii, antidorcatum, cristatus, poellnitzianus, saxicola, trigynus, umbracticola, violaceus, $1 each. Sinocrassula yunanensis, potted $1. Acanthostachys strobilacea (yellow and red cones) $1. Peperomia dolabriforme, windowed leaves, potted $1. Aloe aculeata, krapholeana, mutans, wickensii, dinteri, sladeniana, globuligemma. All potted each $1.50. Three very dwarf pot plants. Aloe bakeri. Spotted leaves yellow flowers $1. A. millotii 75c red. A. thompsoniae. Handsome dwarf, large spikes orange red flowers $1.50. Anacampseros rhodesica $1. Beschorneria yuccoides $1.50. Notonia petraea $1. Pedilanthus tithymaloides smallii, variegated leaves, potted $1. Pelargonium echinatum, Sweetheart Geranium $1.

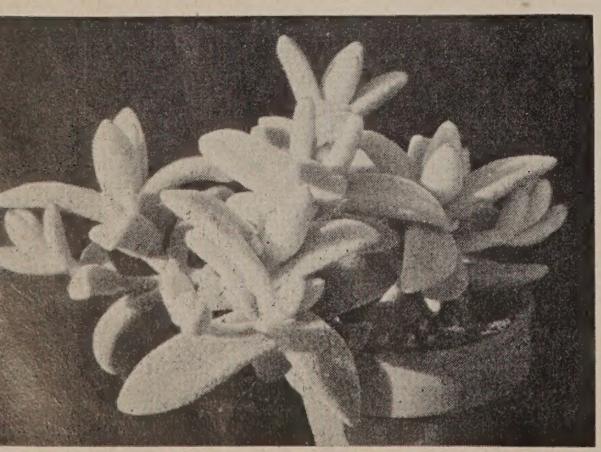


INDIAN CORN

Bright cream, green and pink. Branching freely as it matures, this highly attractive form of Euphorbia submammillaris grows quite easily and adds a bright spot to any collection.
Nice potted plants..... 64c

ANGORA PLANT

Each leaf clothed in dense white wool. Young leaves often reddish at tip. Branching freely soon making handsome clumps Kalanchoe eriophylla is a welcome new addition. Water generously in summer. **Nice potted plants..... 64c**



AIR CARGO SERVICE

AIR CARGO DELIVERS PLANTS WITHIN 3 DAYS AFTER PACKING TO ALL STATES EAST OF ROCKIES. (NOT INCLUDING ALASKA AND HAWAII).

If your order amounts to $5 or more, merely include 60c additional for Air Cargo service. (Orders of $10 or more add the 60c after you have taken your 10% discount.)

Orders of less than $5 include $1.35 additional for handling and Air Cargo charges.

Customers in the following states: Washington, Oregon, California, Arizona, Nevada, Utah, Idaho, Montana, Wyoming, Colorado, New Mexico, Hawaii and Alaska, please see our terms for regular parcel post shipment below. Closeness makes it impractical to ship by Air Cargo to those states mentioned and there is no Air Cargo service to Alaska or Hawaii.

$50 free insurance for all Air Cargo shipments. Report loss or damage to us within 10 days.

ORDER $5. OR MORE, ONLY 60¢ ADDITIONAL!

1876 ~ 1962

Hi—:

Our thanks to our many customers across the nation and around the world who have made all this possible. We are looking forward to serving our old customers and meeting the many new friends we hope to make during the year. There is no more genuine pleasure than sharing gardening experiences!

FROM ALL OF US AT JOHNSON CACTUS GARDENS, TO ALL OF YOU

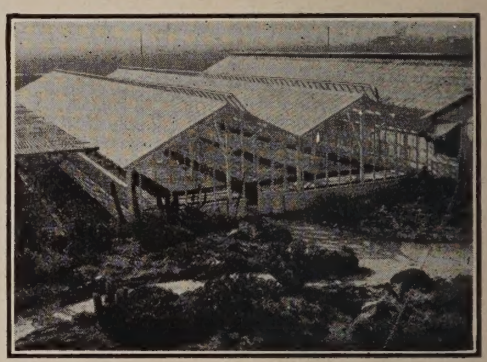
MIMICRY PLANTS

Coll. K24

Unique are these unusual mimicry plants which so closely resemble the rocks among which they grow. Certainly among the most fascinating in the whole plant kingdom.

They may all be planted together in a 5" pot or dish where their attractive yellow, white or pink flowers will provide an exquisite display. Plant in sandy loam. Culture SR.

5 distinctive kinds as Stone Face, Split Rock, Jewel Plant, etc.
Unlabelled..... $1.98



GROWING HOUSES AT OUR NURSERIES IN PARAMOUNT, CCALIFORNIA

You are cordially invited to visit our nurseries

TERMS
FOR PARCEL POST SHIPMENTS

$5 OR MORE SENT POSTAGE AND HANDLING FREE.

LESS THAN $5, ADD $1 EXTRA TO COVER PACKING AND POSTAGE COSTS.

$10 ORDERS SENT FOR $9. OVER $10 TAKE 10% DISCOUNT.

NO. C.O.D. ORDERS ACCEPTED.

OUR GUARANTEE is for safe delivery of clean healthy stock correctly labelled. We cannot undertake to make good plants lost through improper care. If plants are injured in shipment and we are notified at once **we will give credit** for all damaged items **to be replaced with your next oder.**

HOW TO REACH OUR NURSERIES
3 MILES EAST OF COMPTON

You are cordially invited to visit our nurseries every day including Sundays. **Open: Monday thru Saturday, 8 to 5, Sunday 10 to 5. Closed Easter, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Christmas Day and New Year's Day.** Specimen plants and many rare or new species not included in our current catalogs are to be seen. Also there are collections of Water Lilies, pool and bog plants on display. Paramount is 20 miles from City Hall, Los Angeles. It can be reached by auto via Long Beach Freeway south to Alondra Blvd. turn-off (east, traveling east to Garfield Ave., 2nd red stop) turning right one-quarter mile to nursery. **Nursery address: 16613 S. Garfield Ave., Paramount. Phones: NEvada 6-1555, MEtcalf 3-7315.**

Also by way of Route 14 (Manhattan Beach) to Cherry Ave., No. Long Beach, then 5 blocks north on Cherry to nursery.

CHRISTMAS CACTI

GRANDMOTHER'S FAVORITES—OLD AND NEW IN FLASHING NEW COLORS

THERE are four genera of cacti that in growth habits and culture somewhat resemble one another though the flowering seasons are different in two of the group. They are all native to southern Brazil and grow up in the trees or on rocks in humid forests as do orchids. The flowers of three genera have long tubes and flaring perianths the fourth having rotate blossoms. The true Zygocactus have toothed branches and are often called **Crab Cacti.** In Schlumbergera the branches are almost crenate and the tube and ovary are in a straight line, otherwise they are similar and flower from November to March. In Rhipsalidopsis the flowers open almost flat, pink or crimson. In Epiphyllanthus the stems are very fat and covered all over with areoles the flowers similar to Zygocactus. Flowering period of the last two genera generally about April.

EARLY FLOWERING XMAS CACTUS

Flowering in October and November and sure to flower abundantly every year. Blossoms large brilliant salmon red. Every plant produces flowers on the tips of every branchlet. Zygocactus bicolor has "leaves" shorter and broader than in Xmas Cactus and long soft teeth. Thrives in our Jungle Mix to which equal parts of light loam is added. Potted..... **$1**

CRAB'S CLAW CACTI

ZYGOCACTUS

These are true Zygocacti with toothed branches and flower tube at an acute angle to the ovary. **SYMPHONY.** Our new hybrid. A lovely shade of orange with white throat. A vigorous grower and very free in flowering. Flowers of fine size. Small potted plants $1.50

JOHNSON'S VIVID. A much branched variety with brilliant red flowers tinged orange. Potted....$1.25

ORANGE GLORY. Handsome pale orange variety. Potted $1.50

WHITE CHRISTMAS CACTUS. Z. delicatus. See color plate page 5.

EARLY FLOWERING XMAS CACTUS. See photo above.

CHRISTMAS CACTI

SCHLUMBERGERA

This includes the common old fashioned Christmas Cactus with crenate branch margins. It does not include what used to be called Schlumbergera gaertneri now placed in Rhipsalidopsis. Many hybrids between Schlumbergera and Zygocactus are placed here if they more resemble Schlumbergera.

GRANDMOTHER'S XMAS CACTUS. S. bridgesii. The common old fashioned Christmas Cactus with pink red flowers. See page 36 for color plate.

SPRING BEAUTY

RHIPSALIDOPSIS ROSEA

A very pretty small cactus from Brazil with lovely pink blossoms borne on the ends of the flat, oblong branches. It grows best in a cool, moist location. To flower it profusely grow it quite cool at temperatures below 50° at night. Potted..... **80c**

SCHLUMBERGERA RUSSELLIANA

A very distinct plant with large, deep red flowers the inner petals white in the throat. Young growth coppery red. The large flowers are quite pendent and straight. Handsome. Potted..... **$2**

CHRISTMAS CACTI cont.

MIA. Flowers dark red, quite large, short tubed with flaring inner petals white at the base. A vigorous grower with wide stems flowering in November to February. Potted.....$1.50

PINK PERFECTION. See front cover. Beautiful clear light pink. A handsome large flowered variety blossoming over a long period. One of the very prettiest the color unusually bright. Vigorous grower. Potted $1.50

SALMONEA. An old favorite with bright scarlet red flowers opening in midwinter. Vigorous grower. Potted $1

PURPLE KING. See front cover. Brilliant rhodamine purple $2

PINK ELEPHANT. A very large flowered hybrid with vivid pink blossoms. Very free in flower and a vigorous grower. Quite the largest flowered I have seen. Potted $1.50

BAHAI. An erect growing variety light crimson in color. Branches short and compact. Late season bloomer. Potted $1

THANKSGIVING CACTUS. This is another form of Salmonea flowering in November. Branches more coppery and hardly if at all toothed. Potted..$1.25

PARNA. An erect growing variety with rather small but bright red blossoms opening in midwinter. Potted $1

AMELIA MANDA. Large light crimson blossoms, petals pink at base. Potted $1.25

PEACHEROO. An early red flowering variety with medium sized blossoms. Potted.....$1.50

PINK LADY. Light pink blossoms opening in midwinter. A lovely variety of sturdy growth. Petals crisped. Potted $1.50

CULTURE

SINCE these are epiphytic a very loose compost is needed. One can grow them in either green or dried sphagnum moss with addition of some charcoal, humus (leafmold) and light loam or even in just straight sphagnum. Any very open compost will agree with them also. I have seen them grown excellently in rather tight loams too. There are no hard and fast rules. My own preference is for the sphagnum mixtures. **They need a very light position but not full sun.** They prefer a reasonably humid or damp atmosphere. Keep them moist but not wet. They should do well under the same conditions as African Violets.

EASTER CACTI

RHIPSALIDOPSIS

ANDRE. See color plate page 5.

CRIMSON GIANT. The finest variety of Easter Cactus. Flowers very much larger and brighter up to 3" across when well grown. The plant is much larger, stouter, vigorous and easily grown with "leaves" up to 3" long. The tip of each stem bears 1 to 3 brilliant red blossoms generally in April. A Johnson hybrid. Potted.....$1.15

EASTER CACTUS. Rhipsalidopsis gaertneri. This well known beauty has long been a favorite. Flowers scarlet. Potted $1

CAT'S WHISKERS. Rhipsalidopsis makoyana. A variety of R. gaertneri with much longer whiskers up to ¾" though the length varies with culture. Flowers large and bright red potted.....$1.50

RHIPSALIDOPSIS ROSEA. See Spring Beauty at left.

CHINA PINK. A lovely pink flowered hybrid of mine with flowers much larger than Spring Beauty. A more vigorous grower and a fine pot or basket plant. Potted $1

PETER PAN. A very pretty variety with more tubular blossoms of brilliant violet crimson. Potted..$1

ORANGE SPRING BEAUTY. A quite new color in this group with orange pink blossoms. A Johnson hybrid. Grafted plants.....$1.50

CHRISTMAS CACTI

COLLECTION K1

1 Crab's Claw named.
1 Xmas Cactus named.
1 Easter Cactus named.
The 3 in nice potted plants, our selection..... **$2.85**

MISTLETOE CACTUS

White blossoms followed by white berries. Rhipsalis mesembryanthemoides likes shade and should be kept moist. Fine for baskets or pots. Each..... **55c**

ORCHID CACTI

GLORIA

A perennial favorite with our customers, delighting the eye with gorgeous flame colored blossoms up to 9" across. Valued for a longer than usual flowering period, April to July, and strong growth. An outstanding variety and much recommended for the beginner. Potted plants..... **90c**

CARE OF NEWLY POTTED ORCHID CACTI: When you receive the plants they will be in a plastic bag which keeps them moist but gives them air. When your potting soil is ready it should be barely moist so you can sift it among the roots. Use a 4" pot for the first potting. Small pots are best at first as they allow for more air which encourages new root growth. Pot only moderately firmly seeing that the compost is not too fine but has some coarse material in it as charcoal, fir bark or perlite. Water well, then place in a well lighted window with plenty of ventilation. They like fresh air. A temperature of 60° is excellent. 10 degrees lower or higher is acceptable. Keep barely moist—**not wet!** In a month new roots should be established. Later they should be shifted to 5" or 6" pots to finish their summer's growth. Place in a well lighted position. Outdoors under a tree is fine for summer.

PINK BEAUTY

An Aporophyllum hybrid producing rose pink blossoms over many weeks. Fine for hanging baskets. These hybrids may flower again at odd times summer and fall. The stems are round and angled rather than flat and may reach 3' or more in length. Potted..... **$1.25**

JOHNSON'S JUNGLE MIX

Our own compost specially designed for Orchid Cacti, Xmas Cacti, Rhipsalis and all other cacti of similar nature. It may be mixed with loam and sand to stretch it if you have suitable non-clay soil. Full instructions with each package.

Per bag. 120 cubic inches with orders only **75c**

6 quart box. Postage free **$2**

West of Mississippi River **$1.75**

CULTURE

THE Orchid Cacti are not desert plants but forest or jungle plants and need quite different care than the true desert types. The parents are native to Mexico and Central America and extend to Brazil and Peru in South America. Some are found in wet jungles but most of the larger flowered types from which our hybrids have descended are native to the drier mountain forests of Mexico and Central America where Oaks and Pines are at home.

Since they are often epiphytes, that is tree-dwellers living perched up on the branches or clinging to the trunks, it will be seen that they enjoy fresh air. Give them good ventilation, they will appreciate it more than heat. They don't like freezing of course and at temperatures below 32° one is taking unnecessary chances. In California they will take temperatures of 27° without great harm.

Epiphytes are not used to sticky or clayey soils as in nature the roots creep about in the moss, roots and accumulated humus which is understandably not too plentiful high up in a tree nor is much to be found on the rocks or cliffs which the plants also frequent. Thus in your garden they will thrive best in an open, porous soil with leafmold (humus) where the roots will get plenty of air. They will suffocate in wet clayey soils.

There is generally some shade where they grow, not dense shade but broken sunlight. So in your window garden put them where they get some sunlight but not the hot mid-day sun. If they can be put outdoors in summer they will appreciate it. On a protected veranda or under the shade of a tree will suit them

FLAMINGO

A huge flowered variety up to 10" across, brilliant burnt-orange with golden sheen and violet eye. An established favorite over many years. All orchid cacti like plenty of light but not full sun. If kept too shady the growth is too soft and does not flower well. Potted. Each..... **$1**

POLLI SYENIC

A charming free-flowering plant. Glistening white, starry blossoms the inner petals spreading. Petals numerous, slender. Use a porous soil with granulated charcoal, fir bark or other light material to keep it open and and sweet. Keep moist but not wet.
Potted..... **95c**

ANDRE

A handsome Easter Cactus hybrid (see page 3). Vigorous, clean, growth and flowering ease recommends this beauty to every fancier. Flowering in April with blossoms up to 3" across. They prefer a spongy compost (see culture Xmas Cacti page 3) though they do well in any well drained soil. Keep them cool in winter with plenty of light. Potted small plants..... **$1**

RED TO RED VIOLET

NORTHERN LIGHTS. Very bright. Lavender blossom. Petals tipped rose-pink.....**$1.25**

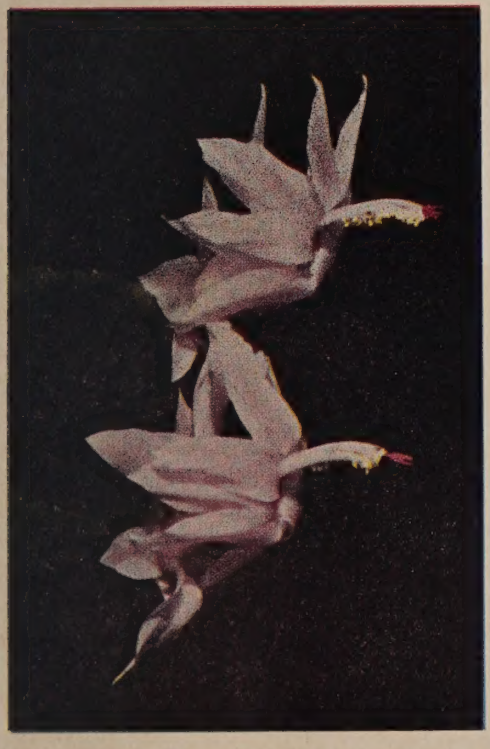
SOUTHERN BEAUTY. Very large blossoms, red with violet overlay **$1.50**

SHERFY'S GLORY. Beautiful fuchsia-purple with red outer petals. Lovely **$2.50**

THUNDER CLOUD. Large deep red flower inner petals edged violet **$1.50**

GLORIOLE. Fragrant deep red with violet overtones. Good basket plant.....**90c**

CAMILLO SCHNIEDER. Large bright red, petals bordered pink **90c**



WHITE XMAS CACTUS

Opalescent white petals sometimes with pale pink flush. Zygocactus delicatus is larger flowered than the commoner Xmas Cactus. It is a very free flowering variety and may be seen in blossom from November to late January. A real treasure. The leaves are longer and narrow and strongly toothed. Potted..... **$2.50**

HANS REHM. 8" claret-red blossoms petals bordered violet. Basket variety **90c**

VIVIANA. Handsome deep purple-red. Nice basket plant **90c**

LEOBNERI. Inner petals red suffused with pink, outer red-violet.....**$1.25**

ORION. Large red-scarlet blossoms, bright violet throat. Beautiful....**$1.50**

GAMUT. Fragrant, red outer petals, inner red violet edged with pink.....**90c**

HERMOSUS. Large, red purple. Strong grower **90c**

PINK

SEA BREEZE. A lovely Empress with brilliant pink blossoms. Much easier to grow than the old favorite which in recent years has spotted badly..**$1.50**

GIANT EMPRESS. Clear pink blossoms much larger than the old Empress or Kaiserine. Excellent basket plant..**$1.25**

BALLERINA. A deep rose Empress. Inner petals pink **$1.50**

BEL-AIR. Cup-shaped flowers, rose-pink with delft-rose center. Splendid **$2.50**

ANTWERPIA. Very large rose-pink. Excellent. Vigorous grower **$1.50**

SIEGFRIED. Lovely pink with lilac overlay. Handsome new variety **$1.50**

MELROSE. Large buff-rose. Base of petals lavender outer petals beige **90c**

ADONIS. Large pink blossom with violet sheen, rosy-lilac center. Good grower.....**90c**

AGATHA. Warm pink with satin sheen, cherry-red center. Good grower **90c**

MELISSANDA. Rose pink, large flower. A vigorous strong grower. Excellent new variety.....**$1.50**

CELESTE. A light pink very chaste blossom opening widely. A fine new introduction.....**$1.25**

FRIEDA WIENGART. Large flower of orchid-pink, strong grower, free flowering **$1.25**

PROFESSOR EBERT

A very lovely free-blooming variety with many petalled flowers of bright violet-carmine. A good sturdy plant with attractive, upright, triangular stems bearing its flowers boldly. Potted..... **95c**

JORGE SIEPKE. Orchid-pink blossoms, color running in stripes toward center..... **90c**

RICHARD DIENER. Huge rose-pink. Inner petals apricot pink with wavy margins.....**$1**

WELCOME. Fragrant rose-pink blossoms suffused pale lilac, darker lavender eye.....**90c**

JOSEPH DE LAET. Handsome! Outer petals scarlet, inner petals lilac with darker center stripe. Fine **$1.25**

HERMOSISSIMUS

A brilliant bicolor hybrid with deep crimson outer petals the inner petals and throat a glowing electric-violet each petal with a median stripe of orange. A continued favorite over many years, this lovely Orchid Cactus is still an eyecatcher. The branches are rather slender, the flower buds long, slim and pointed. A free bloomer of vigorous growth, generally flowering in April. It should have a light open soil such as Johnson's Jungle Mix one part, loam one part, sand ½ part. Each..... **$1.25**

ORCHID CACTI CONT.

ORANGE TO AMBER

BLISS. Bright orange. Large flower with rounded petals. Strong grower. Basket variety.....$1

BROWN BEAR. Lovely cup-shaped flower of bronzy-orange. Vigorous basket type.....$1

DR. VON ROEDER. Large orange flower with buff overlay. Handsome! 90c

JUBILO. Orange flushed with lavender-pink. Strong growing basket variety. New.....$1.25

FLAMINGO. Brilliant orange with pink overlay. Center violet. Splendid! $1

ERNEST SEYDERHELM. Large coppery-orange shading to red and violet. Excellent basket variety....$1

MONTEZUMA. Fine orange flower with violet eye. Strong growing $1.25

SUN GODDESS. Huge 10" flower, brilliant burnt orange with golden sheen.....$1.25

FIESTA. Fine reddish-orange flower.....90c

LA CAMPANA. Large deep orange flower. Sepals and petals spoon-shaped $1.25

SUNBURST. Large burnt-orange flower. Throat vivid violet. Strong growing basket type.....$1

AMBER QUEEN. Large to 10". Brilliant orange-red. Inner petals shading to yellow at base.....90c

OBERST KUNRICH. Deep violet, outer petals shading to copper. Nice basket variety.....90c

WHITE AND YELLOW

MARINA SPECIAL. Large white flower each petal heavily feathered with bright yellow. Beautiful, vigorous plant. Excellent basket variety.....$1.25

THALIA. Giant flower of purest white. One of the very best whites. Lovely.....$2.50

REGINA DEL CHIARO. Large white with pointed petals tipped yellow. Inner petals wide opening with crimped tips. Choice new variety.....$1.50

BRIDAL VEIL. Giant pure white with broad crimped petals. Lovely texture. New.....$2.50

POLAR BEAR. Handsome large white, petals tipped with yellow. Outer petals recurved, lemon yellow. Excellent. Vigorous grower.....$1.50

EASTER MORN. Fragrant. Inner petals white, outer flaring yellow and gold.....$1

EDEN. Fragrant. Very large pure white. Outer sepals rich yellow. Handsome. Vigorous.....90c

LONDONII. Creamy white within. Outer petals deepening to clear yellow. Lovely.....90c

ALICE ROOSEVELT. Large many petalled white with rich yellow sepals. Excellent.....$1.50

MT. HOOD. Fragrant. Large pure white. Outer petals yellow. Vigorous plant.....90c

ORIOLE. Charming white, golden on the outside. Handsome 7" blossoms. Vigorous. Free flowering 90c

BRILLIANT TRICOLOR BLOSSOMS

CANADIAN RUFFLES. Blue-violet blossoms of good size. Petals delicately ruffled. Handsome.....$1.50

JOSEPH DE LAET. Brilliant violet pink, margin almost white. Sepals deep orchid. Splendid!....$1.25

RAINBOW. Red-violet inner petals. Outer sepals lilac-pink. Lovely, vigorous grower.....$1.50

PRIDE OF BELL. One of the most sought after. Inner petals orchid pink with light burgundy center. Outer petals deep burgundy. Sepals rose-orchid. Satin texture opening flat $2.50

SHERMAN E. BEAHM. Giant flower predominantly purple-red. Full wavy-edged petals with violet center stripe, orchid margins.....$1.50

DR. WERDERMAN. Lovely bright blossoms of rich orchid color. Petals with darker center stripe and almost white margins.....$2.50

PEGASUS. A real beauty. Huge blossoms, broad petals with red center stripe surrounded by purple with lavender margins. Silky texture.....$1.50

MARSEILLAISE. Fragrant 3-toned flower. Crimson to lavender with white margins.....$1.25

ANTON GUNTHER. Blue-violet flower. Petals red-violet to lilac shading to white edge. Back petals red-violet. Vigorous plant $1.25

AUGUST VON SZOMBATHY. Inner petals with delicate violet stripe shading to pink, outer petals deep violet. Excellent for corsages.....$1.25

FRIEDERICK WERNER BEUL. Fragrant 10" blossoms, petals with orange center stripe shading into violet with white edges.....$1

PAULA KNEBEL. Large flower, outer petals crimson, inner petals violet shading to lavender at edge with orange center stripe.....$1

RED VIOLET TO MAROON

BLACKAMOOR. The deepest colored of the Orchid Cacti. Outstanding deep red purple. Inner petals deep purple, outer petals darkening to an almost red black. Fine form and texture.....$1.25

CHAUNCEY. Dark red-purple. Large flower, excellent form. Vigorous plant. Fine variety.....$2.50

BAMBI. One of the very finest! Brilliant carmine red blossoms borne in profusion. A wonderful plant for baskets. Of Empress type but a larger,

THORIENNE. Petals dark red, shading to violet at margins. Flower funnel-form.....$1.25

ALTA SCOTT. Brilliant flowers. Petals deep red shading to purple and lilac.....$1.10

MRS. GRANT. Flowers predominantly purple with red outer petals.....90c

MONS. JOLIBOIS. Red petals shading to orange at center. Throat violet. Vigorous.....90c

ETOILE DE CONTICH. Large red-violet flower..$1.25

ANNIE P. WILLIAMS. Red-violet with irridescent overlay. A new variety of vigorous habit....$2.50

GERMANIA. A very large red-purple variety of fine form. Fine basket plant..... $1.50

BELGIAN PFAU. Outer petals deep orange, inner deep violet, edges white. Fragrant.....$1.25

CARNIVAL. Very large red-violet. Fine!.....$2.50

LUAVI. Salmon red with lavender shadings. Fine basket type. A lovely new variety.....$1.25

STERN VON ERLAU. Lustrous orange-red flower. Petals bordered with purple. Handsome!.....$1

MONEY SAVING VALUES!

JUBILEE ASSORTMENT

COLLECTION K2

7 named Orchid Cacti in a fine range of color and varieties. White, red, crimson, pink, lavender are standard vigorous growers. A rainbow in your window. Pot first in 3" or 4" pots until well established then shift to 5" or larger. The set..... **$5**

RAINBOW ASSORTMENT

COLLECTION K3

3 fine Orchid Cacti in red, white and pink. These are all nice named varieties and should make fine plants. Pot them in 3" to 4" pots and shift to 5" pots when established. All labelled..... **$2**

SPECIAL ASSORTMENT

COLLECTION K4

25 named Orchid Cacti at money saving Prices. Full color range of standard and choice varieties. Our selection..... **$19.50**

HANS REHM

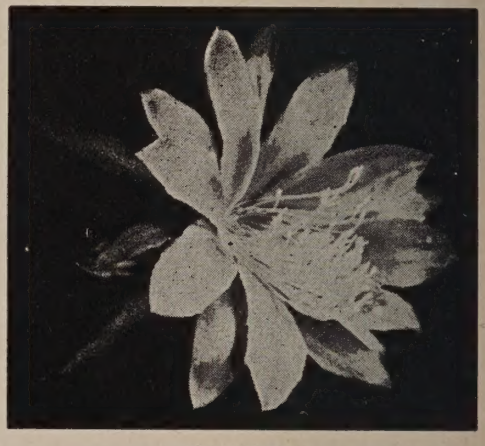
Glistening large 8" blossoms of claret red. Plants grow 18" to 24" tall with several stems each of which may bear two or three flowers. The beauty of Orchid Cacti has to be seen to be appreciated! The great range of color, form and size is astonishing. Potted plants..... **90c**

PADRE

A vigorous plant always dependable for a good display of large, lovely pink blossoms. Besides the regular April and May flowering period it may bloom at odd times throughout the year. An old variety and a great favorite. Potted..... **90c**

AGATHA

A very pretty variety, warm pink in color with darker eye. A strong grower sure to flower. As with all Orchid Cacti give it partial shade but do not give it too dense shade. You want the growth to properly mature so it will have vigor enough to carry the larger blossoms. Very shady locations will produce thin weak stems. By fall stems should be stout with stored food. Potted..... **90c**

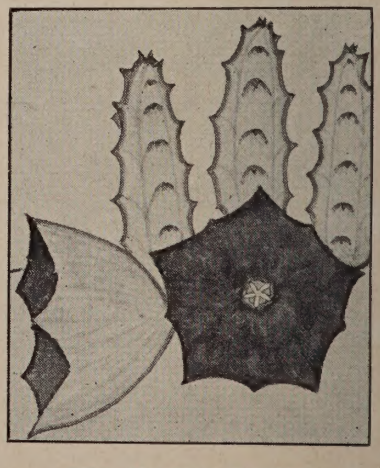


HERMOSUS

A vigorous variety brilliant red in color. The inner petals and throat have an irridescent overlay of blue-violet. A strong free flowering plant and excellent for the beginner. Each..... **90c**

POT GROWN

All our Orchid Cacti are pot grown, 6" to 12" tall.



BELL DRAGON FLOWER

The Dragon Flowers or Huernias are pretty Stapeliads from South Africa. The blossoms are very diverse in shape and colorations. Huernia somalica has stems up to 3" long, marbled with maroon in compact clusters, the flowers borne near the base. The bells are black-purple on the inside, frosty green on the outside an inch or more in diameter. See page 15 for culture. Nice branched, **potted plants** each..... **78c**

SNOWDROP CACTUS

Gracefully arching branches set with pretty white bells in spring. Likes a shady location, a porous soil and generous waterings in summer. Rhipsalis houlletiana. Potted Each..... **75c**

APOROPHYLLUM

A VERY popular group of Orchid Cacti hybrids. They flower in early fall but the main flowering period is in early spring. They are very heavy bloomers. Everyone can grow them. See front cover for color plate. Orchid Cacti culture.

APOROPHYLLUM TEMPLE GLOW. See front cover for color plate. Very beautiful variety. Exquisite blossoms. Potted $1

PINK BEAUTY. See color plate page 4.

TEMPLE FIRE. A large flowered variety with brilliant red blossoms. Strong growing with stems 3' long. Handsome. Potted.....$1.50

TEMPLE DUSK. Large flowers, pink with buff overlay. Lovely pastel shade. Potted.....$1.25

ODALISQUE. Soft shrimp pink blossoms. Potted..$1

RICK-RACK CACTUS

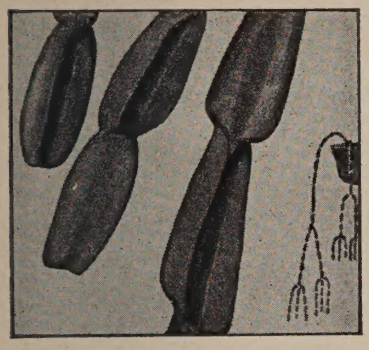
An ornamental "leaved" cactus, Cryptocereus anthonyanus, has long stems deeply notched almost like a swordfern. Though generally some 2' long they can be grown to 10' or more. A spectacular plant when well grown and always attracts attention. Flowers orange-red. Give it a warm, half-shady location. Orchid Cacti culture. Potted $2.50

ERYTHRORHIPSALIS PILOCARPA

A pretty, pendent, slender cactus with white hairs and blossoms. Culture Christmas Cactus. Potted $1

APOROPHYLLUM LAWRENCE

A veritable cascade of soft, salmon-pink blossoms opening in spring. Vigorous growing plants becoming much branched. Give them a half-shady location, plenty of fresh air. Potted..... **$1**



LINK CACTUS

Bizarre hanging basket plant for shady places. White flowers in spring. Very odd. Rhipsalis paradoxa..... **75c**

CHIAPASIA NELSONII

Somewhat like Orchid Cacti but flowers earlier. Handsome purple 2" blossoms in abundance. Partial shade and moisture.... **75c**

RHIPSALIS RHOMBEA

An excellent cactus for hanging baskets with coppery "leaves" and many white flowers in spring. Shade, moisture..... **75c**

WEBEROCEREUS

Slender pendent or climbing cereus with pretty pink blossoms. Attractive, distinct and easily grown.

Weberocereus biolleyi. Slender, spineless stems, nice pink flowers. Fine for trailing around windows. Potted....75c

W. trichotus. Larger with wool and same spines. Potted.....75c

SUN CEREUS HYBRIDS

Aporoheliocereus has brilliant red blossoms and habit of Rattail Cactus.

A. Hazel. A vigorous, large flowered beauty. Each $1

EPIPHYLLUM CHRYSOCARDIUM

One of the oddest cacti with broad ribbed stems like a fishbone or cycad up to 5 ft. long. Huge blossoms 10" wide, white, golden on outside. Each $3.50

FUCHSIA CACTUS

Epiphyllanthus opuntioides

A very pretty shade cactus with lovely pink blossoms in April. Plants with many 1" long, obovoid pads bearing the large frilly flowers on the ends. Related to Xmas Cactus and requiring same culture but will appreciate a little more sun. Potted..... **$1**

FERN CACTI

Excellent shade cacti for pots or hanging baskets. The much branched slender stems have a fern-like appearance. Small orange-yellow flowers in spring. Same culture as Orchid Cacti.

Hatiora salicornioides. Very fern-like, drooping branches with reddish tinge. Fine.....75c

Hatiora bambusoides. Upright, deep green stems..75c

FRAGRANT MOONDROPS

Long, arcuate, flat branches with handsome yellow flowers in October and November which diffuse a delicate, tropical, fruity fragrance. Excellent for hanging pots.

Pseudorhipsalis macrantha has same culture Orchid Cacti. Potted..... **$1**

DISAPORA

Distinct and charming basket or hanging plants for a shady window. Slender, pencil-like stems to 2' long. Blossoms 1½"-2" long, slender, outer perianth recurved, inner segments open, bright carmine-red in color. Most unusual and very lovely for upper brackets in a window. Very free flowering. Give same culture as Orchid Cacti.

DISAPORA "BRILLIANT." Potted. Each.....$1.15

CHIAPORA

Handsome hybrids with the appearance of Orchid Cacti and thriving with same care. Flowers 2"-3" in diameter outer perianth recurved, inner segments cup-shaped. They are very free flowering opening in March and April. Vigorous easily grown plants.

CHIAPORA "RHODAMINE." Handsome rhodamine-purple blossoms $1.25

RATTAIL CACTI

RATTAIL Cacti are old, well known favorites. The round slender stems are pendent, covered with short harmless bristles. The blossoms are pink or red. The pink flowered ones are shaped somewhat similar to Xmas Cacti, the red ones more resemble small Orchid Cacti. Natives of Mexico. Culture as for Orchid Cacti and like a partially sunny location.

GOLDEN PINK RATTAIL. A. flagriformis. Large soft pink blossoms tinged with orange. A very handsome species easily grown. Potted.....$1.50

APOROCACTUS CONZATTII. A large growing species with more upright stouter stems. Flowers bright red. Needs but little shade. Potted.....$1.25

APOROCACTUS FLAGELLIFORMIS. Rattail Cactus. This old favorite is well known. Flowers bright pink. Grafted plants. Potted..... $1.50

APOROCACTUS LEPTOPHIS. The smallest of the group. Slender, pendent stems. Flowers pink. Grafted plants. Potted.....$1.50

APOROCACTUS MARTIANUS. Giant Rattail. The largest species. Flowers deep red up to 3" across. Stems to 4' long. Grafted plants.....$1.50

APOROCACTUS MALLISONII. A garden hybrid with large red flowers tinged purple in the throat. Grafted. Potted $1.50

RHIPSALIS

Singular shade cacti of diverse form. Excellent for hanging pots. Flowers cream color, small followed by white, red or purple berries. Grow us for Xmas Cacti. Very attractive.

Rhipsalis bolivianus, capilliformis, cassutha, cereuscula, clavata, crispata, crispimarginata, dissimilis, elliptica, fasciculata, gonocarpa, grandiflora, heteroclada, leucorhaphis, lindbergiana, lumbricoides, micrantha, neves-armondii, oblonga, pachyptera, pendula, pentaptera, platycarpa, pulvinigera, puniceo-discus, quellebambensis, ramulosa, shaferi, teres, tonduzii, trigona, virgata, warmingiana, wercklei. Each..... **75c**

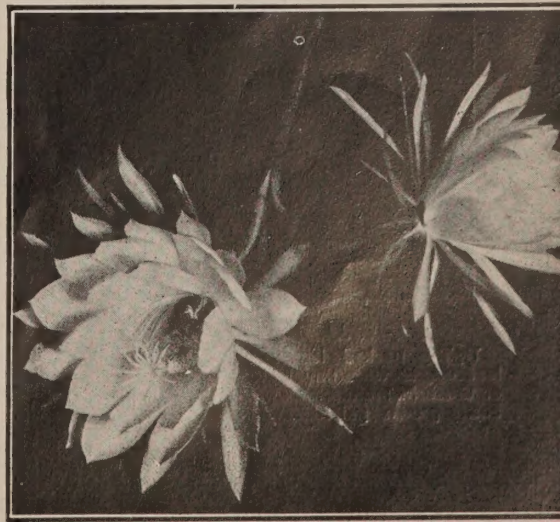
ACANTHORHISPSALIS

A. monacantha. 75c. **A himentoclada**.....75c

LEPISMIUM CRUCIFORME. Each.....75c

QUEEN CACTUS

Popularly known as "Night Flowering Cereus" though actually Epiphyllum oxypetalum. The snowy white flowers are as fragrant as a dish of tropical fruit. Very easily grown and flowered. Culture as Orchid Cactus. Potted..... **$1**



NEW - RARE - CHOICE

SUCCULENTS

ENDLESS variety of color and form, ranging from the easily grown to the difficult, are but few of the qualities commending them to amateur and fancier alike. Their list of native origins reads like a United Nations roll-call; Madagascar, Arabia, Eritria, Australia, India, etc. Imagine having these strange denizens in your front window! **Succulent Culture:** Succulents in general require a little more water than true cacti. Most need an open porous soil rather than a sticky loam. Soil through which water drains without standing. One part crumbly loam, 2 parts moderately coarse sand (free from silt) such as chicken grit or sand-blasting sand and ½ to 1 part of leafmold or fir-bark is suitable. **Watering:** Water in the morning so plants will dry off. Water when soil is dry down to ½". Never water while still wet.

ECHEVERIA CRENULATA HYBRIDS

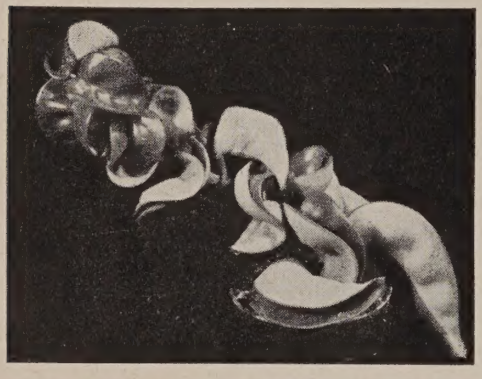
A 10 inch plant photographed at our nurseries. Choice, as it is slow to propagate. In hot, dry locations give some shade. Well drained humus soil. Water often during summer. Leaf margins become more waved with size 4 to 6 inch plants, specially packed..... **$2.75**

FROSTY

A choice new introduction with frosty, silvery green leaves. Adromischus alveolatus is very easily grown in the window garden. Quite novel in appearance with rugose, fat leaves. Potted plants..... **78c**

PINK FLAMINGO

The color reproduction fails to convey the delicate pink shading. A hybrid of Euphorbia splendens, with up to 16 half-inch flowers per cluster Flowering best from Feb. to Nov. Dark, heavy stem, 3" - 6" leaves. Culture as for Christ Thorn. Rich humus soil, watering often. Partial shade, or full sun. A choice, highly recommended plant. Plants from 4" pots $3.50. Vigorous 6" plants potted..... **$2.50**

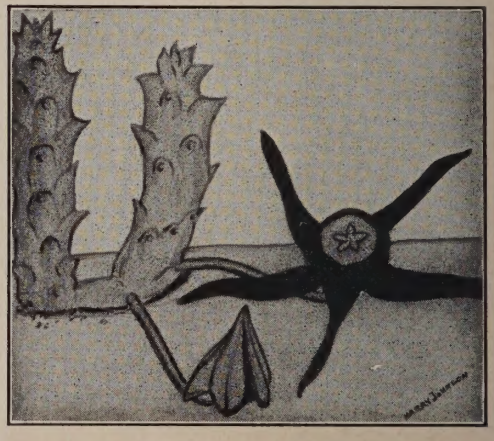


GREEN CURLS

A novel new introduction from Hummel's Exotic Gardens. A form of Hoya carnosa with much-crinkled leaves, dark green above, white beneath. Requires same culture as other Hoyas. Light shade, rich. well drained soil, frequently watering. Easily trained to a trellis. Nice plants, **potted**..... **$1.25**

PADDLE PLANT

Violet-tinged leaves, strong rugged stem seldom over 12". Senecio crassissimus colors best in full sun. Well drained soil, watering when dry. Nice small plants **in pots**..... **79c**



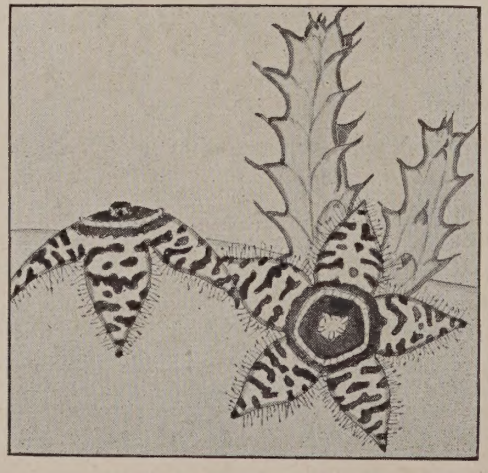
DUVALIA RECLINATA

A curious member of the Starfish Flower family. Dark maroon flowers, up to 1" across. Shade or full sun, well drained humus, watering when dry. Small **potted** plants..... **75c**

FROM ALL OVER THE WORLD

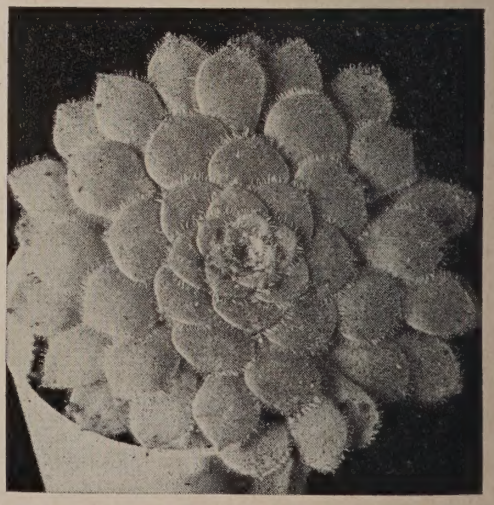
JADE NECKLACE

Tightly packed leaves on slender stems, each leaf edged with tiny bristles and spotted. Hybrid of Crassula marnieriana. Easily grown; **potted**..... **69c**



SPOTTED STARFISH

One of the most striking! Center purple black, petals spotted and barred with black on bright yellow ground, fringed with vibratile purple hairs. Nice plants potted stapelia semota..... **95c**



PLATTER PLANT

Aeonium tabulaeforme is a most curious plant growing completely flat to 12" across. Can be shipped in cool weather only. Nice small, **potted**..... **$1**

CHRIST THORN

Scarlet blossoms, six or more to a cluster, flowering continuously all summer. Euphorbia splendens is one of the finest house plants. Cut back to induce branching. Rich humus soil, ample water. Culture S. **Potted** 4'' - 6''..... **60c**

EVERBLOOMING CHRIST THORN

Euphorbia splendens var. bojeri. More slender stems, darker green leaves, flowers deeper red. Flowering the year around. Nice 4'' - 6'' plants. **Potted**..... **60c**

LITHOPS BELLA

One of the prettiest of the Stone Face species. Yellow-ochre body, darker markings, seldom over ¾'' across. White flowers Sept.-Oct. Grow in sandy well drained loam. Water only when dry. Culture SR. Small plants..... **50c**

LOVE PLANT

A clustered plant 1½'' tall, bearing stalks of 1 - 4 flowers each an inch across of bright, clear rose pink. Anacampseros lanceolata is exceedingly easy to grow, preferring a light soil, some shade, and moderate watering.
Each..... **45c**

CRASSULA ROYAL PURPLE

A C. corymbulosa hybrid with large clustered stalks of purple blossoms, at its best during midsummer. Attractive even when not in flower. A new introduction from Hummel's Exotic Gardens. Very easily grown, at its best in light sandy soil, full sun, watering generously. **Potted**..... **60c**

HEART VINE

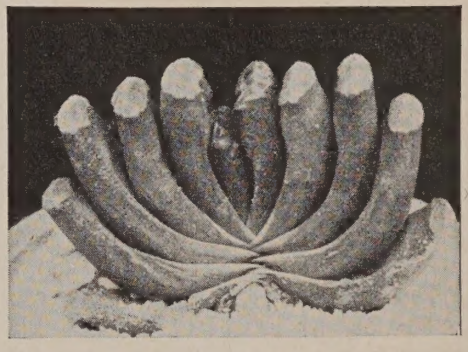
Also Rosary Vine. An attractive vining plant with threadlike stems and silver and purple patterned leaves. Particularly graceful when allowed to hang. Ceropegia woodii forms curious potato-like tubers. Easily grown! Nice **potted** plants 3 for $1.15, each..... **56c**

CRESTED ECHEVERIA

This beautiful Echeveria rosea grandis is a joy to the collector and always attracts much attention because of its odd fan-like branches. The leaves of this variety are beautifully margined with red. It keeps its fine crested form and may reach a foot across. Prefers a sandy loam, plentiful watering on sunny days.
Nice plants..... **98c**

PURPLE WAX VINE

One of the finest of all flowering Hoyas. Large 3'' clusters of deep maroon flowers, each frosted with silver hairs, against a perfect foil of glossy deep-green leaves. Handsome! A vining plant easily trained to a trellis. Rich humusy soil (Johnson's Jungle Mix), watering generously. Nice plants..... **$1**



HAWORTHIA TRUNCATA

One of the oddest of all succulent plants. Hard-textured leaves, each truncate and windowed, translucent green at the tip. Very slow growing. Small, **potted**..... **$2.50**

Other Haworthias. All $1 each: H. batesiana, bicarinata, coarctata, cymbiformis, decipiens, deltoidea, emilyae, hurlingii, nitidula, planifolia, reinwardtii, reticulata, skinneri, tessellata parva, umbracticola.

CHENILLE PLANT

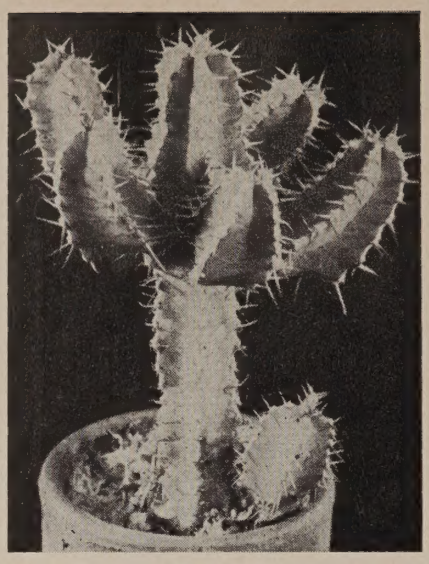
Soft velvety leaves edged crimson; brightest in fall. Flowering in mid-winter with crimson and yellow bells. Echeveria pulvinata achieves best color in a cool light position, and sandy loam. Water moderately.
Each..... **48c**

REMEMBER - ALL PRICES ARE POSTPAID!

ELK HORN EUPHORBIA

A beautiful specimen plant, fluted and marbled white and green. Always a choice plant because of slow growth, Euphorbia lactea cristata eventually grows 2' or more in height. 4" - 5" fans $2.50. Large 5" - 6"..... **$3.50**

Other Euphorbias: E. acruensis $1.25, aggregata alternicolor $1; antiquorum $2.50, coerulescens $3.50, griseola $1, heterochroma $1, horrida $1, inconstantia $1, knobellii $1.25, lemaireana $2.50, leuconeura $1, muirii $1, nivulia $1, pteroneura 75c, resinifera $1, royleana $1.75, susannae $1.50, winkleri $3.50.



FISHBONE

A bizarre succulent from Eritrea. Euphorbia polyacantha makes a splendid pot specimen. Well drained loam, full sun. Water moderately in sun, lightly in shade. Branched plants..... **65c**

AGAVE VICTORIAE REGINAE

Rosette of stiff dark green leaves with brilliant white markings. Grows very slowly, eventually reaching 12". Rich loam, sunny location. Hardy to 18° 4" - 5" specimens **$2.25**, small..... **50c**

GREEN JADE

Smooth yellow-green rosettes to 5". Echeveria agavoides makes a handsome specimen. Nice..... **65c**

Echeveria Lipstick. A form of Green Jade with bright red-tipped leaves in full sun.....**$1**
Echeveria Martin's Red. A form of Green Jade with leaves suffused red in fall.....**$1**

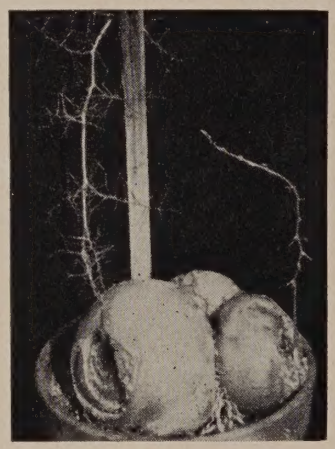
CALICO HEARTS

A succulent gem. Leaves heavily mottled maroon-red, borne on a short trunk. Forms clusters with age. Easily grown in a sandy loam. Give moderate waterings with some shade in the hottest part of the day. Adromischus maculatus. Nice, **potted**..... **64c**

GIBBAEUM HEATHII

Highly succulent grey-green leaves, growing very slowly, eventually forming clumps. Flowers are white to reddish. A choice S. African Mesemb. requiring light shade, well drained loam, careful watering. Culture S.R. Nice..... **50c**

Silver Stars. Conophytum fenestratum is another choice Mesemb. with brown fleshy leaves, white flowers. Choice, clustering....**75c**



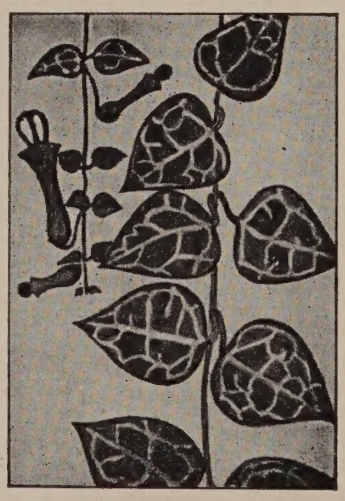
CLIMBING ONION

An odd vining plant that never produces leaves! The flower stalk perfoms all of its life functions. Forms above-ground bulbs of 4"-5" diameter. Bowiea volubilis. Potted. Small..... **$1**

SILVER BEADS

Powdery leaves like beads on a string. Crassula deltoidea grows 2" tall forming a mat. Clusters of pink-tinged flowers. **Potted**..... **50c**

Crassula schmidtii. Clustering, bright pink. Fine!.....**50c**



UMBRELLA FLOWER

A small pendent or twining vine with dark silver-veined leaves. Curious umbrella-like flowers borne all summer. Ceropegia barkleyi does best in light loam, moderate watering. Small tubers. Culture P. Potted, each..... **56c**

HUMMEL'S GIANT CHRIST THORN

Splendid plants hybridized to produce heavy stems and larger leaves. Flowers varying pink to red in clusters of 16-32. Greatly increased vigor. One of the finest new introductions. (Hummel's Exotic Gardens). Culture S. and M. Rich humus soil. Nice **potted** 4" - 6"..... **$1.65**

BURRO TAIL

Long pendent chains of waxy, pale green leaves often reaching 3 ft. or more in length. Sedum morganianum may be grown in a wide variety of soils but does best in sandy loam with ¼ peatmoss. Keep moist. In establishing your plant give Culture M. **3 for $1.**

Each..... **40c**

Giant Burro Tail. New large form, branches more. Potted, **60c.**

ADENIUM OBESUM

An extremely rare succulent shrub from E. Africa with much thickened stem, bulbous base, deep green glossy leaves. Its native name "Mock Azalea" aptly describes its large pink flowers. Very slow growing. Only a few nice plants available, **potted, 6"-10"** **$4.85**

Rare Gasterias: G. armstrongii $1.50, caespitosa $1, nitida $1.50, stayneri $1, sulcata $1.50.

PINK ST. ANDREW'S CROSS

This attractive hybrid of Crassula triebneri has pale yellow-green leaves with dark green dots margined with fine hairs. Stalks of pink flowers during summer. Light shade for best coloring. Nice..... **40c**

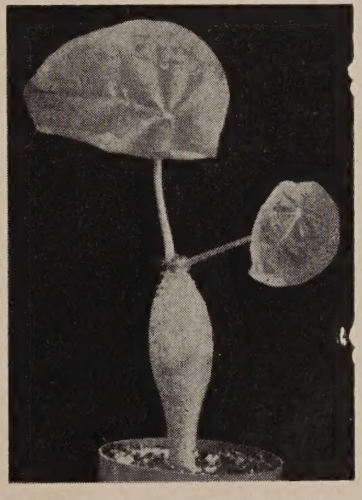
FAIRY WASHBOARD

Deep green leaves with transverse raised bands like a tiny washboard. Most curious and attractive! Haworthia limifolia is a superb house plant preferring shade, light loam, moderate watering. Culture P. **Large $1,** small 2"..... **75c**

DESERT ROSE

Trichodiadema densum forms bristly cushions up to 4" across topped with rose-pink flowers in late summer. Culture SR. Nice clusters **50c**

Also **Trichodiadema marlothii.** Pink..... **60c**



JATROPHA PODAGRICA

A rare succulent from Central America. Shown in juvenile form above, developing a thick trunk to 2', bulbous base and lobed leaves. Clusters of scarlet flowers in summer. Prefers rich loam, generous watering during summer, winter rest. A choice handsome plant. Nice,

Potted..... **$2.50**

TRY JOHNSON'S JUNGLE MIX

CORAL BELLS

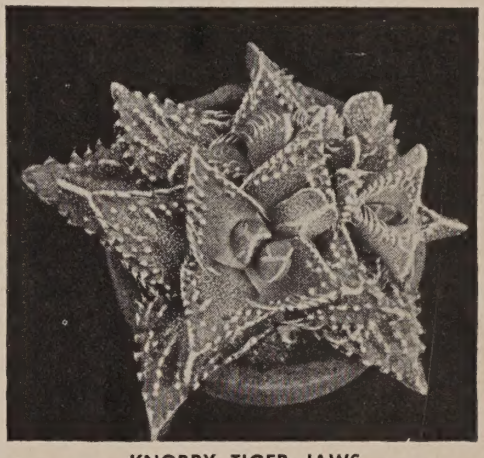
A small creeper or vine, Kalanchoe uniflora has pink Chinese Lantern flowers. **60c**

3 Plants in a Pot.....

BABY TOES

Curious conical leaves each tipped with a translucent green window. Fenestraria rhopalophylla forms small clusters 2" across, produces white blossoms in fall. Use well drained soil incorporating ½ (by volume) sharp sand, a sunny airy position. Culture SR.

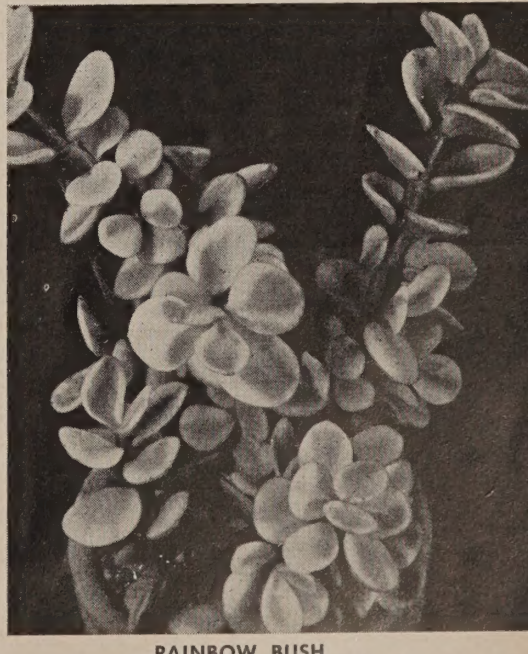
Potted..... **57c**



KNOBBY TIGER JAWS

Handsome clusters of olive-green leaves freckled white with corrugations and bristles or "teeth" on margins. Faucaria tuberculosa has bright yellow daisy flowers in late summer. Nice clusters..... **65c**

Also Faucaria arrabidae $1, felina jamesii $1.50, longifolia $1, rhynfeldiaea $1, sulreuteria $1.



RAINBOW BUSH

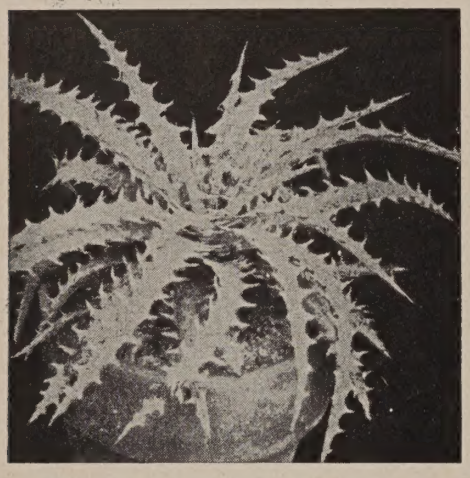
Yellow, pink, and green leaves and mahogany stems. Portulacaria afra tricolor is a charming plant, seldom over 4" high with pendent red branches. Easily grown, in light, rich loam with moderate watering.

Potted..... **50c**

See page 2 for culture symbols.

MORGAN'S PINK CRASSULA

Tight shaving-brush like clusters of pink flowers. A very pretty plant with blue-grey leaves, slowly forming clusters pyramidal in shape. Prefers a light position and porous soil. Easy to grow. Culture P. Nice, **potted**..... **54c**



SILVER AND GOLD DYCKIA

Silver-grey cushions of many heads, each head producing a tall spike of brilliant orange flowers during early summer. Dyckia fosteriana appreciates generous watering, rich loam, sun or shade. Nice plants in pots..... **50c**

Other Wax Vines: Hanging Basket Wax Vine, Hoya bella, $1, Hoya shepherdi $1, cinnamomifolia $1, keysii $1, motoskei $1.

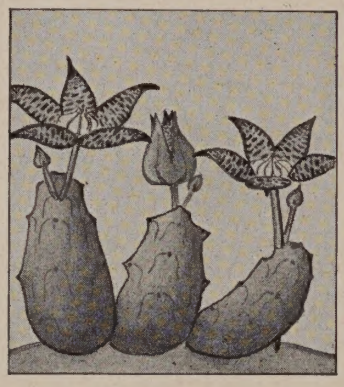
Other Umbrella Flowers: Ceropegia ampliata $1, C. caffrorum 75c, debilis 75c, haygarthii $1, sandersonii $1, stapeliaeformis $1.25, dichotoma $1, barbertonensis (var. C. woodii) 75c, smithii (var. C. radicans) $1.

HUMMEL'S SUNSET

Cream, yellow-green, edged with red, are some of the colors evident in this fine Crassula hybrid. For brightest coloring, light shade recommended. A light loam, one part humus, and 2 parts soil is best. Nice..... **54c**

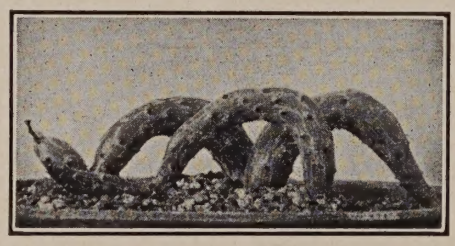
ZIGZAG EUPHORBIA

A fine hybrid introduction from Hummel's Exotic Gardens. Light zigzag markings on pale green. Slow growing, attractive. **Potted**..... **92c**



YELLOW STARLETS

Pretty dwarf plants related to the Starfish Flowers with erect, star-like blossoms. Piaranthus sp. Free flowering, clustering. Does best in full sun or part shade, well drained loam, watering when dry. Small, **potted**..... **79c**



INCH WORM

Jointed stems that loop up and over, rooting wherever it touches the ground. Kleinia pendula has pretty marbled markings, red flowers..... **45c**

PEPPERMINT STICK

Increasing by underground runners, Senecio gregori quickly forms a handsome pot. Attractive green and white markings. Red brush-like flower clusters. Generous treatment. Culture S..... **60c**

JOSHUA TREE

An attractive small plant seldom over 3" high. Sedum multiceps goes dormant during our hot summers, turning green as weather cools. Moderate watering, some shade. **Potted**..... **68c**

MEXICAN GEM

A single snowy rosette encircled by many babies. Echeveria elegans is easily grown, each head producing a stalk of dusky-rose blossoms. Brightest in full sun. With cupped leaves. Nice plants..... **40c**

ODDS & ENDS Coll. K5

10 rare and common cacti and succulents left over from our packing tables. Unlabelled, our selection..... **$2.15**

PAINTED LADY

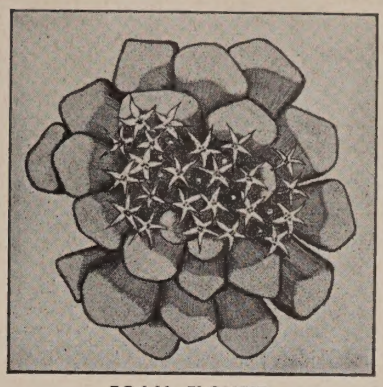
Powdered leaves tipped with red, each rosette surrounded by babies. In late summer Echeveria derenbergii produces short stalks of attractive orange bells. Easily grown in a light loam. Nice..... **42c**

SUCCULENTS

EASY TO GROW
EASY TO FLOWER

HAIRY STARFISH

Each petal prettily marked with transverse bars of cream on a maroon ground and heavily fringed with soft purplish hairs. Dark green rigidly upright stems to 5". Stapelia hirsuta flowers easily, often the first year. Give it a sunny but not too hot position. In summer water well with plenty of ventilation.
Nice, **potted**..... **65c**

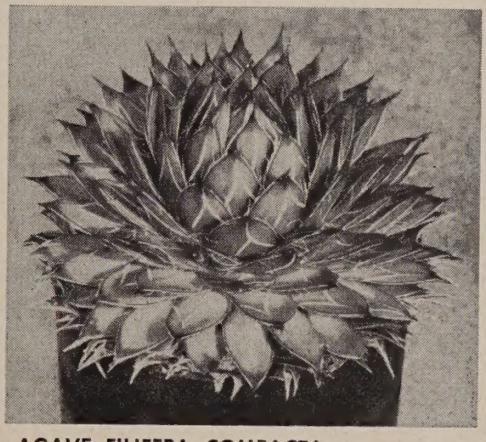


FOAM FLOWER

Growing perfectly flat, Crassula mesembrianthemopsis has blue-grey leaves and white flower clusters.
Each..... **50c**

BUTTERFLY FLOWER

Flowering easily and freely, this fine selection of Stapelia variegata is a must for any collector. Mottled stems to 3", sometimes pendent. Sandy loam, full or part sun, water freely in summer. Nice plants..... **79c**



AGAVE FILIFERA COMPACTA

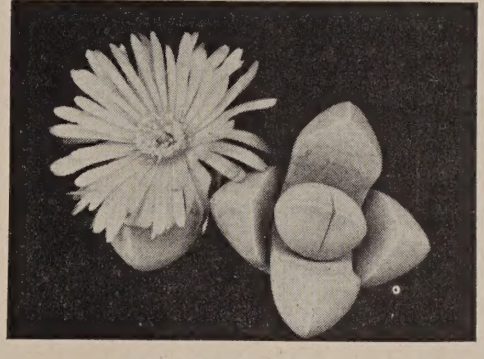
A compact form of Agave filifera rarely over 6" across. Beautifully marked, slowly growing. Will always be rare. Each, from quart containers..... **$3.50**

CORAL BEADS

Beadlike reddish coral leaves. Sedum stahlii is brightest in poor soil and plenty of light. 2 for..... **40c**

KALANCHOE FERN LEAF

Intricately divided leaves completely clothe the stem. Kalanchoe x beharottii has the unique quality of branching freely from the base, producing superb specimens. **Potted**..... **89c**



KARROO ROSE

Smooth fat leaves, white flushed with pink. Lapidaria margaretae mimics its surroundings. Stemless to 2" across, branching with age. Golden yellow flowers in fall. Culture S.R.
Each..... **50c**

WAX VINE

Clusters of lovely waxy flowers to 2½" across produced on perennial flower stems. Hoya carnosa, vines, each..... **75c**

PEANUT CACTUS
Red flowers. Easily grown clusters. Each... **40c**

PINCUSHION
Flowering when small, it grows quickly in sun or part shade. Each..... **50c**

BIRD'S NEST
Slim nipples with curling yellow spines..... **50c**

RED DRAGON
Red and black flowers. Cluster forming..... **50c**

CHRISTMAS CHEER
Brightly colored in poor soil. Grows anywhere. Each..... **35c**

FLOWERING PINCUSHION
Easily grown, flowering in spring with a crown of carmine flowers..... **50c**

CURIOSITY COLLECTION K 6

8 nice plants including the 6 shown. A perfect selection for a Planter bowl..... $2.35

JEWEL PLANT

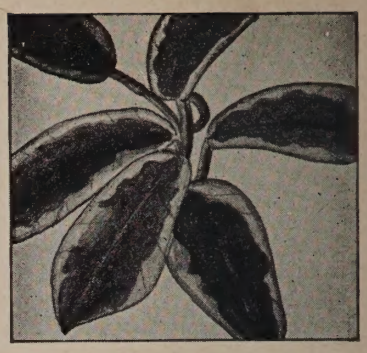
Clustered rosettes, each leaf tipped with tiny bosses. Titanopsis calcarea has yellow flowers in fall. Culture S.R. Nice..... **45c**

COCONUT PALMS

Kalanchoe x houghtonii produces small plantlets at the leaf tips. Easily grown. 2 for..... **40c**

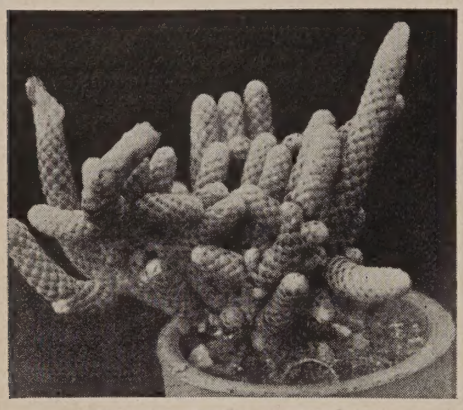
CHAIN PLANT

Pink flowers on trailing stems. Give Tradescantia navicularis full sun. Nice, potted..... **44c**



TRICOLOR WAX VINE

Vining, with cream and pink margined leaves. Hoya carnosa var. likes spongy soil. Culture M. Each..... **79c**



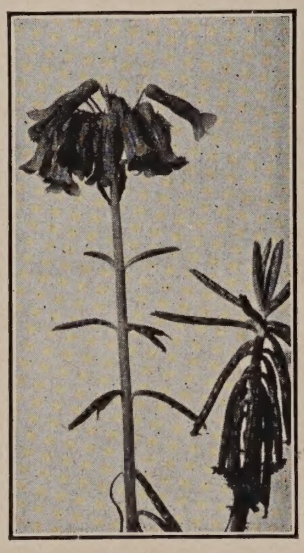
ANACAMPSEROS BUDERIANA

Papery, snowy white scales completely cover leaves and stems of this jewel. Extremely slow growing, always rare and choice. Seldom over 2" high. Culture S.R. Nice, **potted**..... **$1.35**

AIR PLANT

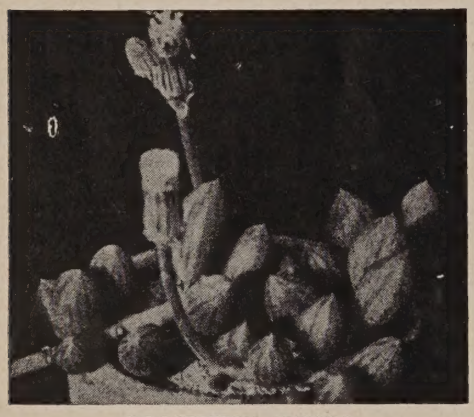
Produces small plantlets at the leaf tips. Mottled leaves, dusky-rose bells on tall stems. Kalanchoe tubiflora is easily grown. 2 for **40c**

See also Kalanchoe synsepala $1, K. gastonis-bonnieri $1.



ECHEVERIA GILVA HYBRID

Clustered rosettes of cupped green leaves often tinged red in winter. Tall stalks of coral pink flowers in spring. Full or part shade, moderate watering. Each..... **40c**

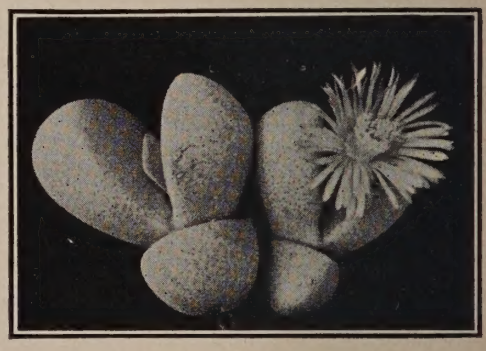


GOOSEBERRY KLEINIA

Fat leaves on trailing stems. Each leaf striped with translucent windows. Kleinia herreianus is easily grown, requiring a light position, moderate watering. Culture S. **Potted**..... **52c**

PUSSY EARS

Soft, downy hairs cover each leaf. Cyanotis somaliense has trailing stems. The flowers are bright purple and orange. Very easily grown. Does best in spongy soil and some shade. Culture M. **Potted**..... **48c**



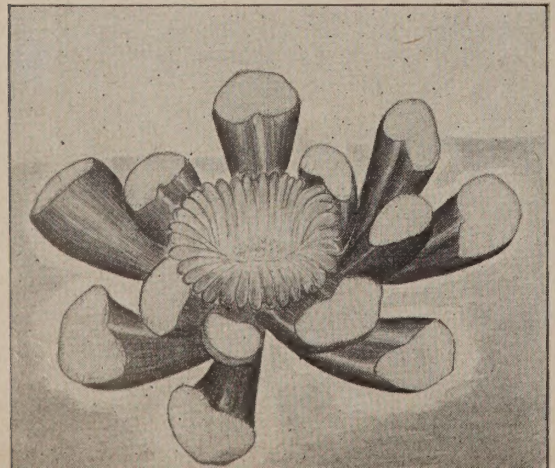
FLOWERING STONES

Closely resembling the quartz pebbles amongst which it grows, Dinteranthus inexpectatus is a fascinating mimicry plant. Clustering with age; golden yellow flowers in fall. Culture S.R. Each..... **50c**

REMEMBER ALL PRICES POSTPAID!

PURPLE BABY TOES

Carmine flowers with white centers crown clustered rosettes of dark green leaves. Each leaf tipped with a translucent window. Frithia pulchra requires a sandy loam. Culture S.R. **Potted**..... **78c**



HOUSE LEEK

Many babies encircle handsome rosettes, each leathery leaf tipped maroon. Sempervivum calcareum is hardy. Nice..... **40c**

GIANT WATCH CHAIN

Even rows of bright green leaves. This Crassula hybrid branches freely, grows easily. Light shade. 2 for..... **40c**

STARFISH FLOWERS

WE HAVE a fine selection of this exotic group this year and commend them to your attention. Most of them flower readily in small pots as window plants or outdoors during summer months. You will be fascinated by their bizarre shapes and exquisite coloring. All of this group are shipped in small plastic pots thereby insuring the best possible planting condition when delivered to your door.

CULTURE: In general use light porous soils with ⅓ by volume humus materials. Leafmold, or fir-bark products, are excellent. To keep soil from packing use soils that do not contain silt (clay soils are taboo). Clay pots are best for indoors. Give all the light possible. Moderate to generous waterings in summer. Less in winter.

STAPELIA

All plants listed are shipped potted.

Stapelia cantabrigensis Hyb. Brownish red, hairy..$1
S. comparabilis. Reddish purple, transverse bars..$1
S. desmetiana. 4" diam. Fringed..$1
S. engleriana. Very rare. Decumbent..$1.75
S. flavirostris. Velvety stems. 5" fringed flowers..$1
S. gettleffii. 6" flowers. Bright transverse markings. ..$1
S. glabricaulis. Handsome reddish-purple. Hairy..$1
S. glanduliflora. Snowflake Stapelia. 1" snowy-flowers ..$1
S. kwebensis. Rare. Chocolate colored..$1
S. leendertziae. 3" dark purple bells..$1
S. nobilis. Pale yellow, crimson bands..$1
S. pasadenensis. Hyb. 5" wine-red..$1
S. peglerae. 2½" shiny, purple brown..$1
S. pillansii. Petals long tailed, black..$1
S. pulvinata. Bearded Starfish. Beautiful, transverse, yellow markings. Very woolly pink center ..$1
S. schinzii. Very distinct. Black narrow petals..$1
S. senilis. Covered with soft white hair..$1.25

GIANT STARFISH

Enormous 8" - 13" flowers! Yellow-ochre, marked with transverse crimson lines. Stapelia gigantea is easily flowered in a 5" pot. Clustering, to 6". Rich porous loam, moderate to generous watering in summer. **Potted** for flowering this year..... **98c**

EUPHORBIA XYLLOPHYLLOIDES

Candelabra branching. A curious, leafless succulent from Madagascar. Flattened olive-green stems. Nice. **Potted**..... **79c**

PINK CHAIN

Clusters of bright pink flowers on trailing or pendent stems. Powdery-blue leaves. Leafless in winter, perfectly hardy. Sedum sieobldi, nice, **potted**

57c

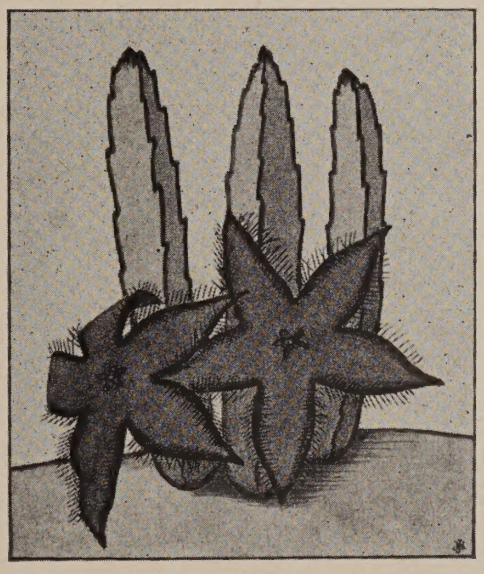
EXOTIC STARS -

S. senilis hyb. Giant Hairy Starfish. Huge flowers. 8" stems ..$1.25
S. verrucosa conspicua. Yellow and red..$1.25
S. wilmannae. Large bell-shaped flowers..$1
S. woodii. Purple brown. Rare..$1

HUERNIA

DRAGON FLOWERS

Huernia clavigera. Pale yellow, maroon spots. hairlike protuberances ..$1
H. confusa. White, red splotches. Doughnut center ..$1
H. gutatta. Light yellow, crimson..$1

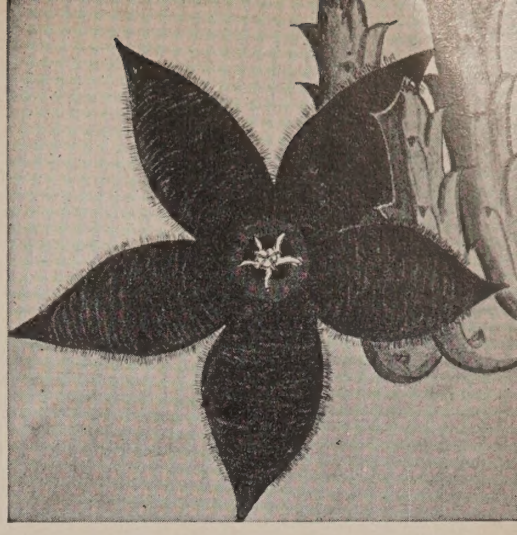


PINK STARFISH FLOWER

Clusters of pinkish 2" flowers, each petal edged with purplish hairs. An old garden hybrid easily grown. Can be flowered easily in a 4" or 5" pot with porous loam, moderate to generous watering. **Potted.** Nice..... **87c**

WOOLLY STARLETS

Woolly flowers of pale yellow. Odorless. Stapelia dummeri has attractive red splashed stems when grown in adequate light. Makes handsome flowering clusters in 4" pots. Nice **potted** plants..... **79c**



ODORLESS BLACK STARFISH

Deep maroon, almost black 3" flowers. Stapelia berlinensis is a garden hyb. of the S. variegata group. Flowers freely in rich porous loam, plenty of light moderate watering. Handsome! Nice. **Potted**..... **87c**

H. hystrix. Yellow, crimson spots. Covered with club shaped hairs..$1
H. insigniflora. Pale rose petals. Purple doughtnut center ..$1
H. keniense nairobense. A large flowered form of Kenya Dragon..$1
H. kirkii. Sulphur yellow, maroon spots..$1
H. levyi. Long-tubed. Yellow, maroon..$1
H. macrocarpa schweinfurthii. Small, deep maroon ..$1
H. namaquensis. Whitish-yellow, purple spots..$1
H. pendula. Odd pendent species..$1
H. reticulata. Handsome flowers. Pale yellow, large maroon spots..$1
H. somalica. 1" maroon flowers..$1
H. vansonii. Rare ..$1
H. zebrina. The "Zebra flowered" Huernia..$1

RARE STARFISH FLOWERS

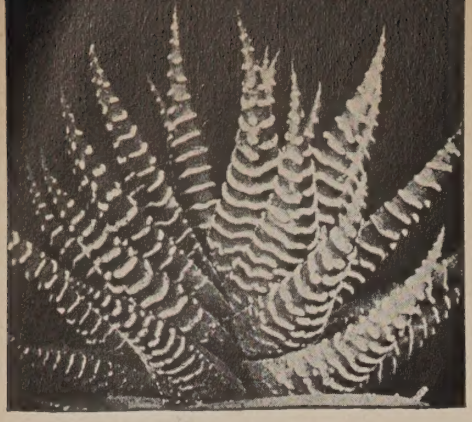
Caralluma burchardii var. maura..$1
Caralluma hesperidium. Mottled stems..$1
Duvalia corderoyi. Fringed flower..$1
Duvalia elegans. The "elegant" Duvalia..$1
Duvalia elegans var. namaquana..$1

OF THE DESERT

Duvalia polita. Dark chocolate, spotted center..$1
Duvalia reclinata. Dark chocolate..$1
Echidnopsis dammanniana. Eritrea..$1
Echidnopsis repens ..$1
Pectinaria tulipiflora. Very rare..$1.25
Piaranthus disparilis var. immaculatus..$1
Piaranthus foetidus. Spotted..$1
Piaranthus foetidus var. purpureus..$1
Piaranthus ruschii. Yellow..$1
Stapelianthus decaryi. Madagascar sp..$1
Stapelianthus montagnaci. Carmine spotted fl..$1
Huerniopsis atrosanguinea. Very odd..$1

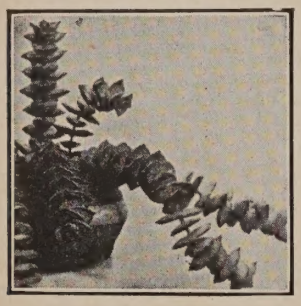
EDITHCOLEA GRANDIS

Persian carpet flowers of rich red-brown, each petal fringed with purplish hairs. Odorless. Choice! A very porous soil with ⅓ by volume of humus is fine. A warm moist atmosphere provides best flowering conditions. Nice, **potted**..... **$2**



ZEBRA HAWORTHIA

Snowy-white ridges on each leaf. Haworthia fasciata has firm, dark green leaves arranged in a rosette. Light shade, water often. Use lots of humus..... **50c**



NECKLACE VINE

Strings of bead-like leaves, often reddish. Crassula perforata has pendent stems. 2 for..... **40c**

COTYLEDON DINTERI

Thick, scaly trunk like a dwarf tree In full foliage during winter, leafless in summer. Nice 3" - 5" plants..... **$1**

SPLIT ROCK

Smooth, round, dark grey-green leaves heavily spotted; each pair opening opposite to the preceding pair. Pleiospilos nelii closely resembles a rock! Yellow to salmon-pink flowers late summer. Well drained soil, light airy position, water sparingly. Culture S.R. Each..... **50c**

Pleiospilos hilmari. Coppery. Small only.....**75c**
Pleiospilos magnipunctatus. Rare.....**$1**
Pleiospilos willowmorensis **$1**

RESURRECTION PLANT

Seemingly only a ball of dried up leaves, but when placed in a shallow dish of water it unfolds into a delicate green fern. May be re-dried, and stored. Give one to a friend. 3 for..... **50c**

MEXICAN FIRECRACKER

Each leaf covered with soft hairs, often reddish. Echeveria setosa hyb. bears orange and yellow bells. Culture S. Each..... **45c**

STARFISH FLOWER

Perfect 5-pointed stars with yellow and maroon markings. Stapelia variegata. **Potted**..... **60c**

BASEBALL PLANT

Almost a sphere, Euphorbia obesa is among the most curious of the plant kingdom. Darker markings like baseball-stitchings. A light position, porous loam, watering moderately. **Potted**..... **79c**

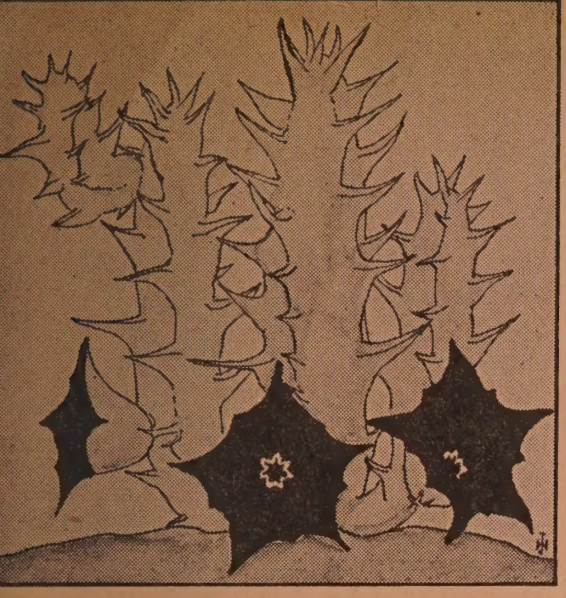
A pair is needed for seeds. We can supply a few at $2.25 per pair.

SNAKES HEAD EUPHORBIA

Tufts of white and maroon flowers appear at the stem tips in late summer. Euphorbia caput-medusae has slender warty stems. Nice, **potted**..... **69c**

WART PLANT

Each leaf covered with pearly-white dots. Haworthia attenuata forms clusters with babies. Culture P..... **50c**



BLACK DRAGON FLOWER

Huernia penzigii is a fasciating small plant bearing black bells all summer long. Easily grown in a sandy soil with some leafmold. Keep moist but not wet. The more open or coarse the soil the more water one can give.
Potted..... **75c**

CACTI AND SUCCULENT SEEDS

Cacti and many succulents are readily grown from seeds. Some fast growing kinds make attractive small specimens within a year but most are slower in attaining size. Seeds germinate in one to three weeks at temperatures of 60° to 70°. Full growing instructions are included with each order. Seeds are sent postage and packing free.

DELUXE MIXTURE

A superb mixture made up of over 75 species. There are no weedy cacti included. They are collected from our own plants many requiring hand pollination. Our cactus seed is not to be compared with other offered assortments for it is not made up of native weedy kinds. The very small seed contains some of the prettiest kinds as Parodias, Rebutia, Notocactus, etc. Put in two packets of fine and coarse seeds.
The collection..... **$1**

MIXED CEREUS SEED

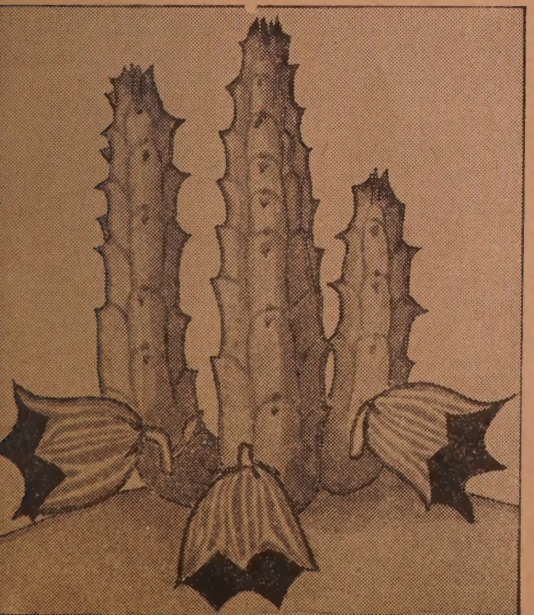
A mixture of various types containing Lemaireocereus, Trichocereus, Cleistocactus, Cereus, Carnegeia, Eriocereus, Cephalocereus, etc. Seed germinates in 7 to 21 days. Best germinating temperatures 60°-70°. Per packet..... **60c**

OLD MAN SEED

Cephalocereus senilis the Mexican Old Man. Grow your own white haired Old Man. Even tiny seedlings are long haired.
Packets..... **50c**

KENYA DRAGON FLOWER

A vigorous growing, small plant with dark purple-black blossoms. Stems marbled maroon in sun. Huernia keniensis flowers freely during our summer months. **Potted branched specimens**..... **50c**



PARAMOUNT HYBRID SEED

Carefully selected seed from our best colored varieties. A large portion will be in bright pastel shades. All will be large colorful blossoms. Under good care they will flower in second or third year.
50 seeds..... **50c**

BALL CACTI MIXED

Notocacti are amongst the prettiest and most satisfactory of cacti. The plants are easily grown, flower freely and many are brightly spined. Mixture contains Golden Ball, Silver Ball, Lemon Ball, Scarlet Ball, and many others. Per Packet..... **50c**

MIXED PINCUSHION CACTI

The Mamillarias are small colorful cacti excellent for window gardens and generally flower the second year. Our seed packets contain a great many different varieties. Easily grown. Per packet..... **50c**

MIXED CHIN CACTI

The Gymnocalyciums are charming, bright flowered, small, globular cacti from South America. Many flower over the entire spring and summer. Most flower the second year. Per packet..... **60c**

MINIATURE CACTI MIXED

Small growing types for the window garden. A fine selection of good flowering varieties. Per packet..... **50c**

CHOICE SUCCULENTS

A mixture containing many rare and interesting species of Mesembryanthemums, Aloes, Anacampseros, Echeverias, Cotyledons, Crassulas, etc. Seeds vary greatly in size. The tiniest dust-like seeds are often the choicest ones. Sow with care.
Per packet..... **60c**

STONE FACE MIXED

The Lithops are the prizes of any collection. The seeds germinate very quickly. You will have seedlings within two weeks. See they get plenty of light and air. About 100 seeds..... **50c**

MIXED LIVING ROCK SEED

There are many kinds of Living Rocks belonging to Mesembryanthemaceae, Pleiospilos, Lapidaria, Titanopsis, Lithops, etc. Some seeds are very tiny. Per packet..... **75c**

HAWORTHIAS AND GASTERIAS MIXED

A selection of pretty types including Lace Haworthia and Ox Tongue.
Per packet..... **50c**

CACTUS SUPPLIES

ROOTWELL

Want to raise Cactus cuttings? Our new hormone powder for rooting refractory cuttings of all kinds designed particularly for quickly rooting Cacti and Succulents. Sterilizes the cut surfaces and induces luxuriant growth of roots. Apply dry with finger to fresh cut. **Full directions. Per package**.....**60c**

JOHNSON'S CACTUS COMPOST

Mix With Your Own Sand and Soil

An economical compost for Cacti and Succulents which when mixed with equal or larger quantities of both sand and light loam makes a very suitable soil for all desert plants. Composed of our re-cleaned sclerophyllous leafmold, lime, gypsum in the proper proportions for all potted cacti. A light and bulky mixture, the same as we use in our potting soils for both seedling and specimen plants.
384 cu. inches.....**$1.95**
(May be ordered separately postpaid)
115 cu. inches enough for 4 to 6 quarts of potting soil **75c**

HARDWOOD CACTUS CHARCOAL

Useful in keeping cactus soils sweet and aerated. Helpful in heavy soil.
Per Quart. Granulated.....**60c**

JOHNSON'S CACTUS SOIL CONDITIONER

Of great assistance in keeping cacti in good health, it is designed to add the minerals ordinary garden soils often lack. Desert soils are often high in mineral content, for there is little rain to leach them away. A spoonful of my Conditioner placed about a Cactus plant and stirred lightly into the soil will often bring an ailing one back to health. Mix it with your potting soils.
Small Size, 10 ounces..... **60c**
Large Size, 26 ounces.....**$1.00**

VITAMIN B-1

JOHNSON'S OWN B-1 TABLETS

For use in any soil

Works miracles on cacti and succulents often bringing refractory plants into bloom. Don't fail to use this wonder working solution. Particularly valuable in stimulating new root growth after transplanting. All house plants will benefit by its use.
75 Double Strength Tablets with full instructions..... **75c**

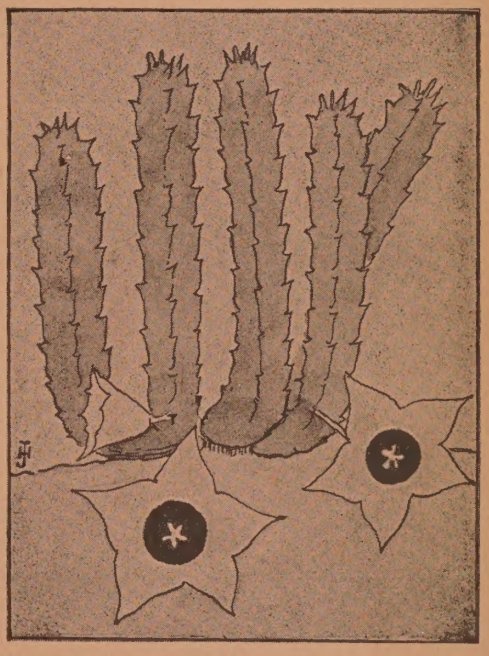
ACID PLANT-CHEM

Plant-Chem Acid Food. For acid loving plants. Good for Xmas Cacti, Epiphyllums, etc., where water is alkaline. **100 gallon** package, **$1.20.**
40 gallon package **60c**

PLANT-CHEM

Make your own liquid fertilizer. A safe, rich, plant food for Cacti and Succulents and all house plants. Economical. Use ½ teaspoonful to 1 gallon of water. Full instructions.

100 gallon package—postpaid **$1.20**
40 gallon package—postpaid ..... **.60**



RED DRAGON FLOWER

Huernia schneideriana bears pretty blossoms with velvet red petals and black center. Flower all summer. **Potted, branched**..... **50c**

PLASTIC LABELS

These plastic labels last for many years and outside of copper or zinc labels, which are difficult to affix to the plant, are the best solution I have found to date. Lead pencil writing lasts very well indoors or in the greenhouse. Outdoors it eventually weathers off. Grease pencils are useless. Water proof India drawing ink has proven the best medium for permanent labeling.

4½"x⅞". Large, shaped labels for outdoors or pots. Per 100.....**$1.75**
3½"x½". Plastci pot labels. Per 100.....**$1.25**

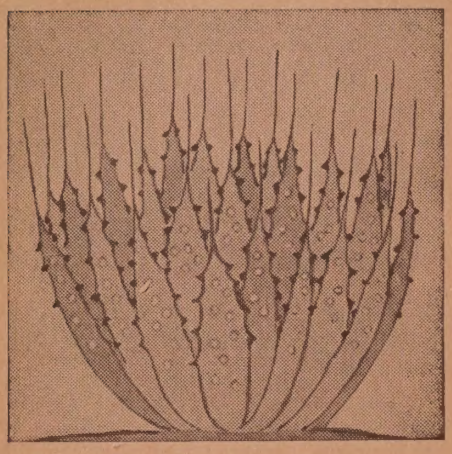
CACTUS INSECTICIDES

ROTEX SPRAY. A safe spray for all succulents and cacti. Non-toxic to animals or humans. For Mealy Bug, Scale, Aphis, etc. Chart and instructions sent with each order. May be used repeatedly without damage to plants. Can be used as a dip or spray. Full instructions furnished for cacti. 2 oz. bottle.....**75c**

45-20 SPRAY. An all-purpose spray of Malathion and Chlordane. Deadly to Mealy Bug and Ants. Spray lightly. 4 oz. bottle and cactus insect chart **$1.60**

NEW AIR CARGO SERVICE TO ALL STATES EAST OF ROCKIES

3 DAYS AFTER PACKING!



ALOE ARISTATA

One of the very choicest small Aloes. Bears a great many closely set leaves with white pearly teeth and dots, each leaf terminated by a white awn. Remains small. Flowers red. A rare, elegant plant. Sandy soil. Nice..... **50c**

SUPPLIES

FOR CACTI AND SUCCULENTS

Discount does not apply to supplies

Very few things are needed by the beginner in cactus culture but interest and a desire to form a collection. Loam for potting your plants may be found in field or woodland. Scrape off the litter and use the top 6" of soil. Sandy soils are best. Clean sand may be purchased from builders or pet stores. For the city dweller and more serious collector we are offering a few things that may make their culture easier. The supplies we offer are those we ourselves use.

JOHNSON'S JUNGLE MIX

A new type of cactus compost for epiphytic cacti which prefer a very open, porous type. Plants develop a vigorous, extensive root system seldom seen in other composts. Expressly for Xmas Cactus, Easter Cactus, Rhipsalis, Chiapasia, Selenicereus and all epiphytes. It is also unexcelled for rooting all cacti and succulent cuttings. It may be easily modified into the finest potting soils you ever used for Philodendrons, Begonias, African Violets and all tropical house plants. It should be kept much more moist than old style composts as it dries rapidly. Full instructions for use or modification.

Per bag 120 cubic inches (with orders).....**75c**

6 quart box. Postage free.....**$2.00**

West of Mississippi River $1.75

JOHNSON'S CACTUS FOOD

A very effective fertilizer with a good organic base the ingredients of which are blended and proportioned to help your plants make normal, matured flowering growth. It should be scattered over the soil, a level teaspoonful to a 4-inch pot, two or three times during the growing season after the plants are well established. Use only during the growing season. Light applications once a month are more effective than heavy applications.

10 ounce bag..... **50c**

24 ounce bag.....**$1.00**

OUR SPECIAL CACTUS LEAFMOLD

A recleaned, sclerophyllous desert leafmold, sifted, light and dry. Mixed with equal parts of both sand and loam, it makes a fine, economical cactus soil.

115 cu. Inches enough to make 4-6 qts. potting soil..... **75c**

FOREIGN SHIPMENTS

We are equipped to handle overseas shipments. If interested write for particulars.

CACTUS HELPS

COLLECTION S 100

Items to make the growing of your plants easier and more enjoyable. Included here are all the things to root and grow your plants except loam and sand. Sand may be purchased from poultry houses or builders. Loam from garden or hillside.

Book, "Cacti and Succulents and How to Grow Them."

75c package Johnson's Jungle Mix.
Johnson's Cactus Food.
Johnson's Cactus Soil Conditioner.
Quart of Cactus Hardwood Charcoal.
20 double strength B, tablets.
50 Plant Labels.

Items to Make Cactus Growing Easy. Postpaid **$3.50**

CATALOG INDEX

Acanthocalycium 28-9
Acanthocereus 33
Acanthorhipsalis 7
Acanthostachys 2
Adenium 11
Adromischus 2-10
Aeonium 8
Agave 10-3-35
Aloe 2-18-21
Anacampseros 2-9-14
Ancistrocactus 28
Aporocactus 27
Aporophyllum 1-7
Aporoheliocereus 7
Ariocarpus 27-9-30
Armatocereus 33
Arequipa 28
Arthrocereus 33
Astrophytum 21-2-3-6-9-30

Beschorneria 2
Bolivicereus 34
Borzicactus 34
Borzicactella 34
Bowiea 10

Caralluma 15
Carnegeia 22-35
Cephalocereus 31-3-4
Cereus 31-3-4
Ceropegia 9-10-2
Chamaecereus 13-32-4-5
Chamaelopsis 33
Chiapasia 7
Chiapora 7
Cleistocactus 22-31-3
Cochemeia 26
Conophytum 10
Consolea 29
Copiapoa 26
Corryocactus 33
Coryphantha 35
Cotyledon 16
Crassula 8-9-11-2-3-4-21
Cryptocereus 7
Cyanotis 14-6

Deamia 35
Dinteranthus 14
Disapora 7
Disophyllum 1
Duvalia 8-15
Dyckia 12

Echeveria 8-9-10-2-4-6
Echidnopsis 15
Echinocactus 22-7
Echinocereus 22-31-2-3-5
Echinomastus 26
Echinopsis 22-3-8
Edithcolea 15
Encelphalocarpus 28
Epiphyllanthus 7
Epiphyllum 1-4-5-6-7
Epithelantha 27
Erdisia 34
Eriocereus 33-4
Erythrorhipsalis 7
Escobaria 28
Espostoa 22-34
Eulychnia 34
Euphorbia 2-8-9-10-2-5-16-21

Faucaria 11
Ferocactus 22-7
Fenestraria 11
Frailea 16
Frithia 14

Gasteria 11-21
Gibbaeum 10
Gymnocalycium 26-29-30-6

Haageocereus 34
Hamatocactus 29
Hatiora 7
Haworthia 9-11-6-21
Homalocephala 28
Hoya 8-9-12-3-4
Huernia 13-5-7
Huerniopsis 15
Hylocereus 34

Islaya 28

Jaenocereus 34
Jatropha 11

Kalanchoe 2-11-3-4-21
Kleinia 12-4

Lapidaria 13
Lemaireocereus 34-5
Lepismium 7
Leuchtenbergia 22-7
Lithops 9-21
Lobivia 23-6-7-30
Lobivopsis 27

Malacocarpus 26
Mamillaria 13-21-2-3-6-7-9-30
Matucana 28
Mediocactus 34
Melocactus 28
Mila 35
Mimosa 19
Monvillea 35
Morawetzia 34
Myrtillocactus 34

Neolloydia 28
Neoporteria 26-7
Notocactus 22-6-8-30-6
Notonia 2
Nyctocereus 34

Obregonia 30
Opuntia 27-9-32-3-4-5
Oreocereus 22-34

Pachycereus 34
Paramounts 24-5
Parodia 27-9
Pectinaria 15
Pedilanthus 2
Pelargonium 2
Pelecyphora 23
Peniocereus 34
Peperomia 2
Pereskia 36
Piaranthus 12-5
Pleiospilos 16
Porfiria 28
Portulacaria 11
Pseudoespostoa 22
Pygmaeocereus 34
Pyrrhocactus 28

Quiabentia 29

Rathbunia 34
Rebutia 26-9-30-36
Rhipsalidopsis 3-5
Rhipsalis 3-7

Samaipaticereus 34
Schlumbergera 1-3-36
Sedum 11-2-3-5
Selaginella 16
Selenicereus 32-4-5
Sempervivum 14
Senecio 8
Seticereus 34
Sinocrassula 2
Soehrensia 28
Solisia 28
Stapelia 8-13-5-6
Stapelianthus 15
Stenocactus 28-30
Stetsonia 34
Suhuaro 22-35

Tacinga 29
Tephrocactus 23-33
Thelocactus 28
Thrixanthocereus 34
Titanopsis 14
Tradescantia 14
Trichocereus 22-34-5
Trichodiadema 11

Weberocereus 7-34
Weingartia 28
Werckleocereus 34
Wilcoxia 32-4-6
Wilmattea 34

Zygocactus 1-3-5

NOT INCLUDING ALASKA OR HAWAII

$50 FREE INSURANCE

Orders will be picked up daily at our nursery and placed aboard a plane that same evening to be delivered to the major airport nearest to you within 24 hours. It is then shipped to your door by parcel post, to arrive within 3 days after packing—the plants as fresh as though you had just selected them at our nursery!

TERMS

FOR AIR CARGO SERVICE

$5 or more, include 60c additional.

$10 or more take 10% discount and add 60c.

Less than $5 add **$1.35 extra** for handling and Air Cargo charges.

CUSTOMERS IN THE FOLLOWING STATES: Washington, Oregon, California, Arizona, Nevada, Utah, Idaho, Montana, Wyoming, Colorado, New Mexico, Hawaii, and Alaska please see our terms for parcel post shipment below. Proximity makes it impractical to ship by Air Cargo to those states mentioned and there is no Air Cargo service to Alaska and Hawaii. **$50 Free Insurance** for all Air Cargo shipments. Report loss or damage to us within 10 days.

TERMS

FOR PARCEL POST

$5.00 or more sent postage and handling free.

Less than **$5 add $1 extra** to cover packing and postage costs.

$10 orders sent for **$9.** Over **$10** take **10% discount.**

No C.O.D. orders accepted.

WHEN TO ORDER

CACTI may be shipped to cold regions from about March 1 to December 1 depending upon weather conditions in your section. Washington, Oregon, California, Arizona, New Mexico, Texas anytime except when mails are crowded during Xmas.

SUCCULENT PLANTS from pages 9-21 we guarantee safe delivery from March 15 to June 15 and from September 1 to December 1. During the heat of summer succulents may lose their leaves during shipment and are shipped at customer's risk only. They may be safely shipped by air cargo.

OUR GUARANTEE is for safe delivery of clean healthy stock correctly labelled. We cannot undertake to make good plants lost through improper care. If plants are injured in shipment and we are notified at once we **will give credit** for all damaged items **to be replaced with your next order.**

PLEASE USE THIS ORDER BLANK

THIS ORDER SHEET WILL BE RETURNED WITH YOUR ORDER!

Johnson Cactus Gardens

PARAMOUNT, CALIFORNIA

1962

NAME.....DATE.....

STREET or P. O. BOX.....

CITY.....STATE.....

NOTE: **PARCEL POST:** Order of $5 or more sent postage and handling free. • Less than $5 add $1 extra to cover packing and postage costs. • $10 sent for $9. Over $10 take 10% discount.

AIR CARGO: Orders of $5 or more add 60c extra. • Orders of less than $5 add $1.35 to cover charges and handling. • Orders of $10 or more take 10% discount and add 60c.

Please Fill Amount of Money Sent

Money Order $.....

Cash.....

Stamps.....

Checks.....

If stamps send large denominations please.

Your Order

Is this your 1st order ☐

2nd ☐ 3rd ☐ 4th ☐

5th ☐ 6th ☐ 7th ☐

PLEASE NOTE

Our **1962** catalog cancels all former catalogs as to price. We will be glad to quote on rare items in older catalogs

SENSITIVE PLANT

This curious plant quickly folds its leaves when touched! Watch the leaves go to sleep at night. Lavender powder-puff flowers. Everyone will enjoy this novelty. Mimosa pudica, not a succulent, potted..... **50c**

TO OUR FRIENDS

Join the Cactus and Succulent Society of America and receive the Cactus and Succulent Journal. Well illustrated with many interesting articles. Send subscription to us.....$4

QUESTIONS?

Please send stamped, self-addressed envelopes for replies. We will answer as soon as possible. It is increasingly difficult to answer correspondence regarding culture, etc., promptly without greatly increasing prices. We beg your indulgence for delays. Leave room in your letter for answers.

CACTUS BOOKS

"Cacti and Succulents and How to Grow Them"

68 pages and many photographs of cactus and succulets. Plain information on the care of young plants. Much recommended 50c

"Cacti for the Amateur"

110 colored pictures, 150 cactus photos. Full information. Cloth binding.

$3.95 Postpaid

"Succulents for the Amateur"

800 succulents described. 167 pages crammed with information. 400 illustrations. 85 in color. Cloth.

$3.95 Postpaid

CACTI

The most complete book. Describes 1,500 cacti. 488 pages. Articles on culture, etc. By J. Borg.

Postpaid $7.75

QUANTITY		PLEASE ORDER ALL SPECIAL CATALOGUED COLLECTIONS BY NUMBERS	No.	C. O. D.
		AIR CARGO MEANS FRESHER PLANTS. 3 DAYS FROM NURSERY TO YOU.		
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
		AIR CARGO IF LESS THAN $5 ADD SERVICE AND HANDLING	$1	35
		States east of Rockies only — IF $5 OR MORE, ADD ONLY.....		60c
		PARCEL POST IF LESS THAN $5 ADD POSTAGE AND HANDLING	$1	00
		$5 OR MORE SENT POSTAGE FREE.		

$10 ORDERS SENT FOR $9, OVER $10, TAKE 10% DISCOUNT

QUANTITY		PLEASE ADD TWO OR THREE EXTRA CHOICES TO BOTTOM OF YOUR LIST		No. C. O. D.
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				

BOOKS ON CACTI and SUCCULENTS

FOREIGN BOOK SHIPMENTS

PLEASE ADD 10% FOR EXTRA PACKING AND POSTAGE

CULTURE FOLDERS

A series of small folders in which I have described the general cultivation of special groups of Succulents, etc.

Stonefaces and other Mimicry Plants. Their culture and other notes.....15c

Starfish Flowers. How to care for a collection, propagation, etc. 15c

Euphorbias. Their culture and growth.....15c

Mexican Succulents. Echeveria, Pachyphytum, etc. Their care 15c

Orchid Cacti and other shade-loving Cacti. Their care and flowering.....15c

SET OF FIVE POSTPAID.....50c

CACTI. By J. Borg

The most complete book in the English language on cacti. 1500 species fully described, 129 pictured. 12 short chapters on culture, etc. 488 pages, 1956 edition .....**postpaid $7.75**

SUCCULENT PLANTS. By Jacobsen. Describes 1091 species with culture. Alphabetically arranged for quick reference. 300 pages, 277 illustrations. A splendid book .....**postpaid $9.00**

EPIPHYLLUM HANDBOOK. Learn to know and enjoy your plants to the fullest. The pictures alone tell the complete story of these fascinating plants. 170 photos, 250 pages.....**postpaid $5.00**

SUCCULENTS FOR THE AMATEUR. A beginners handbook introducing one to 800 of the most interesting kinds. Full cultural notes. 171 pages and a color plate showing 78 kinds plus 400 illustrated by large photos. Cloth bound.
postpaid $3.95

CACTI FOR THE AMATEUR. Answers your questions on watering, soils, grafting, seed sowing, potting, etc. 142 pages, 160 photos and a color plate showing 110 beautiful kinds. Cloth bound
postpaid $3.95

PLEASE NOTE: OUR REGULAR 10% DISCOUNT DOES NOT APPLY TO BOOKS

CACTI AND SUCCULENTS AND HOW TO GROW THEM. 68 paegs and many photographs. Seed sowing, grafting, culture, pests. Plain information simply stated. Much remommended.....**50c**

STAPELIADS IN CULTIVATION. By Lamb. Over 100 pages of photographs including some lavish color pages of Stapelias, Huernias and related genera. Good cultural information. It will show you a new world of these fascinating plants. **Postpaid** **$5.25**

THE STUDY OF CACTI. Vera Higgins. If you are interested in how cacti are classified, that is how and why they get their names, this book will explain simply the bases used for determination. **Postpaid** **$2.75**

THE ILLUSTRATED REFERENCE ON CACTI AND OTHER SUCCULENTS. By Lamb. Cultural notes on each plant shown.

Vol. 1. Over 300 pages, 250 photographs, 32 in color. .....**postpaid $7.15**

Vol. 2. 268 pages, 231 photos, 84 in color.
postpaid $7.15

THE ALOES AF SOUTH AFRICA. 650 page monograph by G. W. Reynolds describing 132 species with 70 full page colored plates and 572 excellent photographs. A beautiful, thorough work. Cloth. .....**postpaid $12.50**

THE STAPELIEAE. A handsome, beautifully illustrated 3 volume work on the Star Fish Flowers, Dragon Flowers and their allies. 1233 excellent photos, 1200 pages. Buckram.....**postpaid $15.75**

THE EUPHORBIEAE. The South African succulent Euphorbias. 1100 handsome photos and color plates, 1000 pages, 2 volumes. Buckram.....**postpaid $13.10**

WHAT KIND OF CACTUS IZZAT. An amusing book of cartoons by Reg Manning. True botanical facts are presented with a chuckle on every page. Your friends will better understand your weakness for cacti. .....**postpaid $2.75**

FLOWERING SUCCULENTS. Rowley. A small compact book for the amateur. Culture, propagation, etc. 80 pages, 9 color.....**postpaid $1.60**

UNUSUAL PLANTS. 110 5" x 7" plates of Succulent Plants of a wide selection of these interesting plants. By J. R. Brown. 220 pages handsomely bound. .....**postpaid $2.85**

THE BOOK OF CACTI AND OTHER SUCCULENTS. Claude Chidamian. 243 pages, 22 drawings, 14 photographs, 4 color plates. As an introduction and source of general information we highly recommend this book. The distinction between cacti and succulents is clearly explained. The various families of succulent plants are simply outlined and the outstanding genera and species in each are well described. An excellent well written book.
.....**postpaid $4.65**

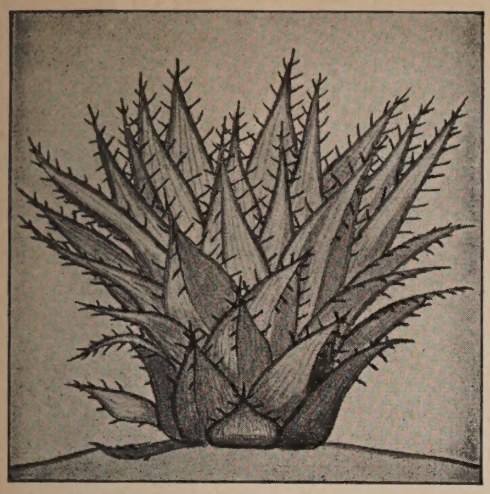
THE OBSERVER'S BOOK OF CACTI AND OTHER SUCCULENTS. S. H. Scott. 159 pages, 64 illustrations. A small handy pocket size reference on culture with descriptions of many of these fascinating plants.....**postpaid $1.60**

THE NATURALIST'S LEXICON. R. S. Woods. A list of over 15,000 words used in biological nomenclature. Explanation of Greek and Latin endings. For professional and amateur. 300 pages, buckram binding. .....**postpaid $4.00**

SUCCULENT PLANTS. By Herman Jacobsen. 3 vols. The most complete treatment of succulent plants other than cacti available. Approximately 1,716 pages in 3 volumes, alphabetically arranged by genera with separate treatment for mesembs, well illustrated. A magnificent set priced at .....**postpaid $45.00**

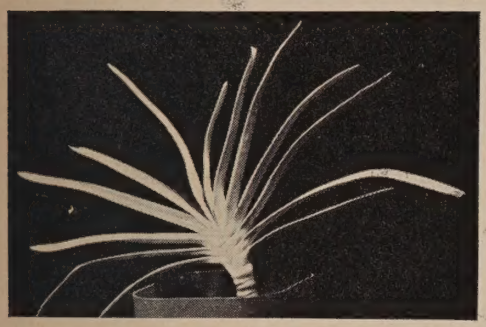
THE DESERT MAGAZINE. A monthly magazine devoted to south western deserts and desert life. Handsomely illustrated. If you are interested in natural history you will look forward to the postman. Per year.....**$4.00**

GLOSSARY OF SUCCULENT PLANT TERMS. Woods. Very useful book. Tells how to pronounce their names, their meanings and technical terms used in descriptions. Authentic. 300 illustrations, 112 pages .....**postpaid $4.00**



LACE HAWORTHIA

Each pale green leaf edged with soft white bristles. Haworthia setata forms attractive rosettes. Sharp sand and peatmoss. Part shade; moderate watering. Nice..... **45c**



FAN ALOE

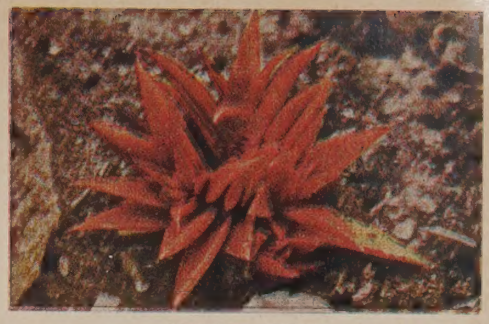
Waxy green, strap-shaped leaves in perfect fan symmetry. Aloe plicatilis is one of So. Africa's botanical treasures. Light shade, porous loam, moderate watering. Nice..... **$1.50**

LITTLE MELONS

Pale green clusters with many babies. Euphorbia meloformis is a choice S. African plant 2" - 3" across. The botanical name means, appropriately, "apple shaped." Part shade, porous loam..... **98c**

BEAD VINE

Strings of bright green leaves, pendent stems. Crassula rupestris has clusters of pink flowers. Excellent for a hanging pot. 2 for..... **40c**



SCARLET CORAL

Dark red in full sun. When growing actively often light green to reddish. Crassula corymbulosa is brightest in poor soil with plenty of light..... **45c**

Green Rose: A variety with bright green and red leaves 60c

SUCCULENT ASSORTMENTS

NO CACTI - GET THE BEST - AND SAVE!

COLLECTION K7

15 assorted succulents selected for the beginner. All are our standard varieties of top quality. Crassulas, Echeverias, Mimicry Plants, Haworthias, Kalanchoes, and other choice plants are included. All plants labelled.

Mailed postpaid for..... $5

Shipped Air Cargo (East of Rockies only) for..$5.60

COLLECTION K8

25 choice succulents of more varied selection. Euphorbias, Haworthias, Stapelias, Mesembs., Crassulas, Huernias, Kalanchoes, and others are included. All are plants any collector would treasure. All plants are labeled.

Very special at..... $10

With 10% discount on all orders of $10 or more, this amounts to $9—postpaid, or shipped Air Cargo (East of Rockies only) for $9.60.

AFRICAN LIVING ROCK

Closely resembling granite chips, Pleiospilos simulans is a must. Bright yellow daisy flowers. Grow in almost pure sand. Water cautiously in midsummer. Culture S.R. Each..... **50c**

PINEAPPLE EUPHORBIA

Thick bulb-like stem covered with old leaf-scars. Euphorbia bupleurifolia is a collector's treasure. Needs well drained humus soil, light shade, rest during winter. Nice. **Potted**..... **$1.45**

STAR CACTUS

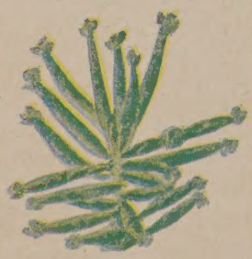
Bright yellow blossoms, yellow spines. White spotted body. Choice..... **50c**

STONE FACE

Beautifully marked. Lithops closely resembles stones. Rare Small..... **45c**

OX TONGUE

Spotted leaves like huge tongues. Tall spikes of pink blossoms..... **40c**



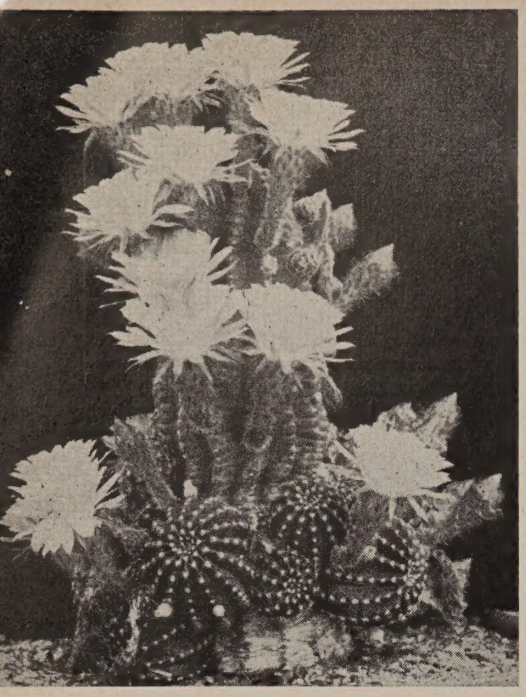
AIR PLANT

Young plantlets borne at the leaf tips! Handsome rose blossoms. 2 for..... **40c**

DUMPLING CACTUS

Blossoms when young. Dumping is fine for bowls. Each..... **50c**

BOWL COLLECTION K9 **8** **Nice plants including the 5 shown above. Unlabelled..... $2.49**



SPECIMEN CACTI & SUCCULENTS

ORDERING INSTRUCTIONS: All plants on this page are shipped F.O.B. Paramount, Calif. by Railway Express—**UNLESS OTHERWISE NOTED!** In most cases these plants are too heavy and bulky to permit Parcel Post shipments, but where possible we have marked those that may be shipped this way.

PLEASE NOTE: Our 10% discount does not apply to plants on this page—owing to extra handling and packing required with larger plants.

PARAMOUNT HYBRIDS

We have a number of unnamed hybrids in our Paramount series that are of specimen size. We cannot supply these in specific colors or hybrids. Large plants produce 30 or more flowers at one time. They are easily grown in any sunny window with good rich loam. **3"-4"** clustered specimens available at **$5 each, or shipped postpaid for.....$7.50**

Fishhook Barrel. Ferocactus latispinus. Flattened globes with broad recurved, red spines. Purple flowers. 4"-5" diameter.....**$7.50**

Pincushion Clusters. Various Mamillaria species. We cannot furnish these as specific species; selected plants only. Mostly white mams, clustered at **$12.50**

Trichocereus terscheckii. The Cardon Grande of Argentina. A strong stemmed plant with spine clusters broadly spaced. White flowers at maturity. Choice 12"-15" specimens **$15**

Suhuaro, also **Suguaro.** Carnegeia giganeta, The Arizona giant well known to anyone who has visited or seen photos of our southwestern deserts. Fine 3'-4' specimens **$75**

Echinocereus englemannii. A variable species native to our southwestern deserts, appearing in many different spine forms, but always with large, lavender flowers. Full sun, sand. **Large clusters $12.50**

Star Cactus. Astrophytum ornatum. Handsome 6" tall, 4" diam. specimens at.....**$8.50**

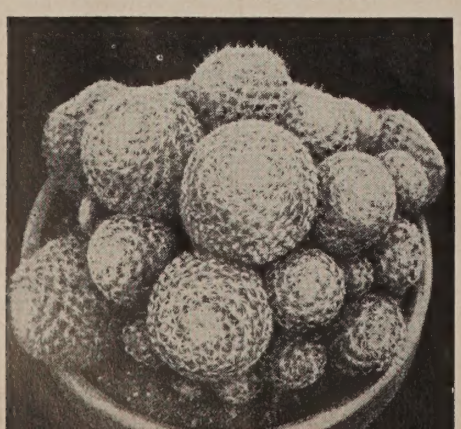
Echinocactus ingens. Blue stem, dark spines. 4" diam. **$5**

Bishop Cap. Astrophytum myriostigma. See color photo this catalog. 4" diam..... **$8.50**

CRESTED HEDGE HOG CACTUS. Echinopsis multiplex cristata. Crested cacti are the beauties and curiosities of the plant world. The growth is fan-shaped or ruffled and slowly forms fluted piles. We have a few available 12"-18"—**$35.**

MAMILLARIA DEALBATA

A handsome clustering pincushion with pure white spines. Blossoms bright red followed by long scarlet fruits. Easily grown in a sunny window with moderate watering. Small plants 75¢ (may be ordered on a postpaid basis), **clusters $3.50, or $4.95 postpaid. Larger clusters $5 or $6.95 postpaid.**



Old Man of the Andes. Oreocereus celsianus. Glorious specimens with long silky-white hair, brick-red spines. Single columns, branching only with age. Rare, choice. 12"-14" beauties at.....**$16.50**

Peruvian Old Man. Espostoa lanata. Snowy-white, slender, columnar plants. The wool is dense and cobwebbed. Very light yellow spines. The plants we offer are just beginning to branch. **20" plants at $12.50**

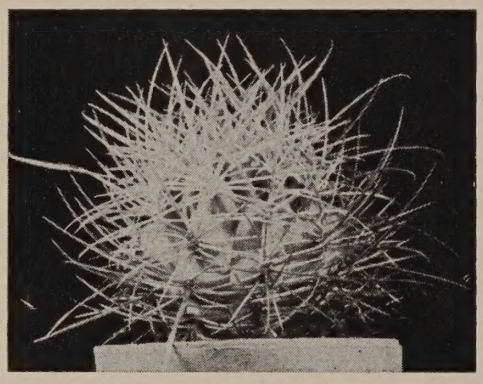
Cleistocactus hyalacanthus. Similar in shape and habit to C. strausii. Stem densely clothed with snow-white glossy spines. Branching from the base, flowering in midsummer with tubular, dark red flowers. Always a favorite at our nursery. **Beautiful 3 ft. specimens at.....$22.50**

Golden Ball. Notocactus leninghausii. The plants we offer here are rarely seen branching specimens, flowering size. Soft, harmless golden spines. **15" clustered specimens at $15**

Ruby Easterlily. Echinopsis kermessina. Since our color picture accurately portrays this beauty, words are superfluous. Globe-shaped ruby red blossoms. **6" diameter specimens $7.50**

Mamillaria celsiana. A beautiful clustering species well known to fanciers. **Beautiful 4" diam. specimens $6.50**

Goat's Horn. Astrophytum capricorne. Curling spines, ribbed, large yellow flowers with cherry center. Only 4" diam. specimens available at **$8.50**



FIRE BARREL

Brilliant red and yellow spined barrels. Ferocactus acanthodes is certainly one of the handsomest of all cacti. Plant in clean sand with some leafmold. These are perfect specimens. **4" at $3.50, or $4.50 postpaid, 6" at $4.50 or $5.95 postpaid, 8" $7 or postpaid for.....$10**

Snowball Cactus. Pseudoespostoa melanostele. Like tufts of cotton-candy. Approx. **8" specimens at $5**

Euphorbia ingens. 3' specimens.....**$8**

Elkhorn Euphorbia. Euphorbia lactea cristata. 18"-24". Well branched specimens.....**$35**

Aloe bainsii. Specimens with well developed trunks. **3 ft. to 4 ft.**.....**$25**

Euphorbia excelsa. Well branched 2'.....**$25**

Euphorbia neriifolia. An E. Indian species. Tufts of 3" leaves at branch tips. 18"..... **$12.50**

Euphorbia similis. So far as we can determine, this is the mature form of E. ingens. **Fine specimens 12"-18", $3.50; 3'-4'**.....**$20**

Hercules Club. Euphorbia canariensis. See our photo. 1½'-2' **$8.50**

Agave Cactus. Leuchtenbergia principis. Imported flowering specimens. 10' diam., 4" trunk. 10-20 years **$10**

GOLDEN BARREL

Bright yellow spined globes. Visitors at our nurseries always exclaim at this one. Dark green body, crown heavily felted with white wool. A native of Central Mexico preferring full sun, a very well drained loam. Water generously if outdoors during summer. Water when dry if indoors. Echinocactus grusonii **1½-2" plants $1** postpaid. **8" diameter $16.50, 18" diameter $65.** All glorious specimens.

Cowhorn Euphorbia. E. grandicornis. See our color photo. 1½'-2' .....**$7.50-$12.50**

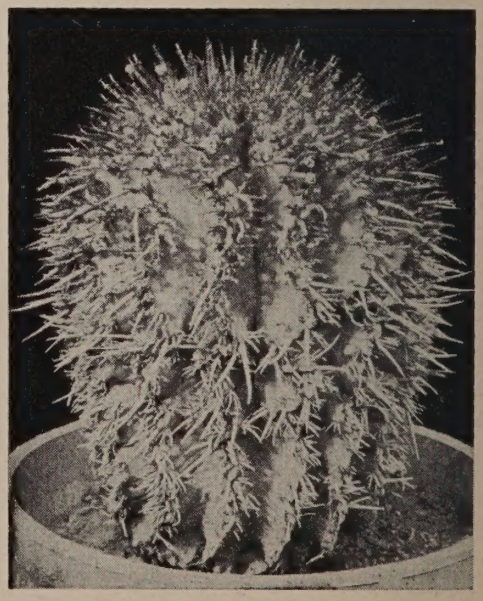
Euphorbia hermentiana. See our photo. 3'-4' well branched specimens **$16.50**

Old Lady. Mamillaria hahniana. A well known old favorite. **5" diam.** **$7.50**

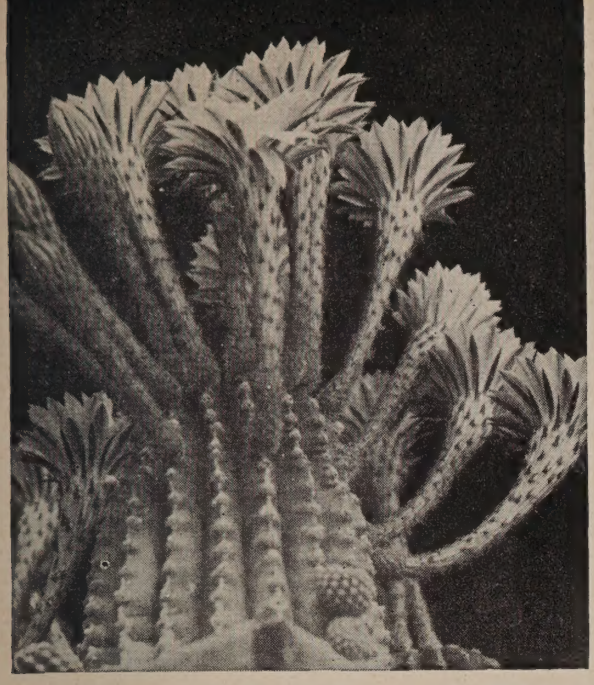
Silver Ball. Notocactus scopa. See our color photo. 3" specimens **$3.50**

AFRICAN MILK BARRELS

Striking specimens. Powdery blue body, heavily spined. Euphorbia horrida branches quite freely around the base. Grows columnar only with age. A choice slow growing succulent from S. Africa. Does best in full sun, light porous loam, watering generously during summer. A few choice specimens at $35, **some 4" at**.....**$5**



BARREL CACTI & MAMILLARIAS OR ECHINOCACTUS



ECHINOPSIS LOS ANGELES

Up to 25 3" lovely pink blossoms borne on one mature plant. Almost spineless, deep green body, producing babies around the base slowly. Easily grown, generous watering in summer. Each..... **75c**

MOSTLY they are ball or barrel shaped only growing columnar with great age. Some of the cacti listed here are more closely related to the cerei but due to their shape and culture are included for convenience. They vary greatly in many ways. Some are tiny plants, marble size, others may be several feet tall and two feet through at maturity. They are found in either North or South America from Washington to Patagonia. Few of the genera are found on both continents. The North American genera include Ferocactus, Echinocactus, Astrophytum, Ariocarpus, Hamatocactus, etc. Some of the So. American genera are Notocactus, Gymnocalycium, Neoporteria, Lobivia, Islaya, Oroya, etc. Almost all the kinds have ribbed stems. Since during the rainy season they must store a large amount of water this accordion effect allows them to swell up without bursting

CULTURE

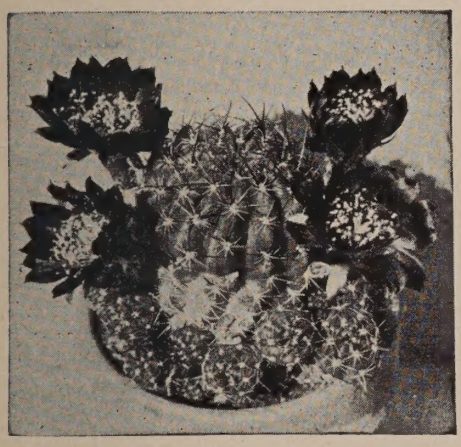
Most of the Echinocactus groups require the same general care. They like an open porous soil through which surplus water quickly drains away. The compost should not be composed of fine clay-like particles. Some coarse material such as charcoal, gravel, spongerok (perlite), peatmoss or fir bark, will help to keep the compost open. Open composts allow free penetration of air to the roots. Under these conditions rot becomes unlikely if plants are kept a little on the dry side. A good compost is composed of 1 part crumbly loam, 1 part clean sand and ½ to 1 part coarse leafmold to which may be added some perlite or coarse granulated charcoal. **Light.** The plants prefer a sunny location or window. In dark places they cannot be expected to flower though they will live. **Watering:** Water moderately at all times. Let them dry out between waterings. Give more water in summer.

See our fine selection of cactus seeds page 17

Eldon Henderson of Enid, Oklahoma has a very nice collection of cacti. Just look at the fine specimens he has grown! Golden Barrel Orchid Cacti, Peruvian Old Man and many others. To know where your plants grow wild is a liberal education in geography.

GOLDEN STARS

Golden yellow fingers surrounded by many babies. Mamillaria elongata is harmless to the touch as all spines are flexible. We offer an exceptionally fine form with fat stems. Nice..... **50c**



LOBIVIA PAUCARTAMBENSIS

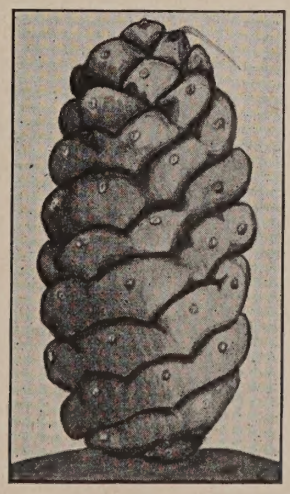
Ruby-red blossoms during late summer. Nice 2" plants with many clustering babies; dark flexible spines. A choice introduction of ours from Peru. Give full sun, and moderate watering. Rest in cool place during winter. Each..... **50c**

PHOTOGRAPHS

We are glad to give a $5 plant credit for any photographs we use. Only black and white glossy prints can be used.

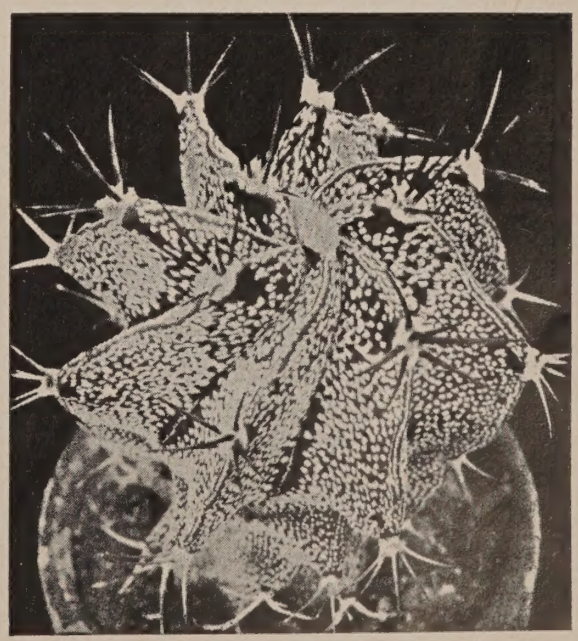
PELECYPHORA ASELLIFORMIS

Brilliant pink and rose-striped blossoms. Curious comb-shaped spine clusters with harmless spines. Plant in clean sand (free from silt) with ¼ humus. Full sun. Water sparingly. Mature flowering imports..... **$1.35**



SPRUCE CONES

Completely spineless, curious jointed stems. Tephrocactus strobiliformis does best in porous loam, full sun..... **45c**

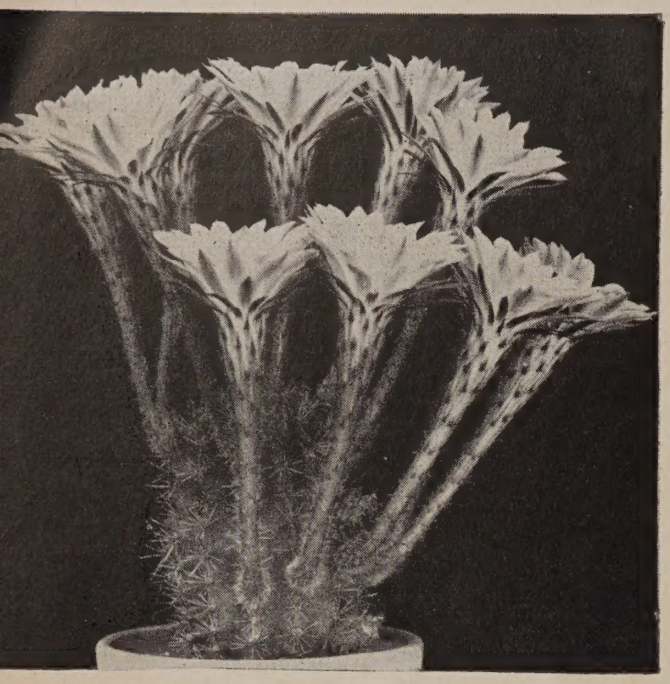


STAR CACTUS

Stem covered with silver scales, golden spines. Astrophytum ornatum is globe shaped to columnar with yellow flowers. Of easy culture, growing freely in a sunny location with moderate watering. **Large** 4" - 6" tall, **$2.25.** Small..... **50c**

✶ ✶ ✶ PARAMOUNT

BRILLIANT COLORS



PEACH MONARCH

Beautiful glowing peach pink. The blossoms are very large up to 8" long, very freely produced. One of the finest of our new Paramount Hybrid series (Lobivopsis). An entrancing hybrid Water generously during summer. Nice..... **$1.75**

GENERAL LISTING

Betelgeuse. A handsome distinct hybrid changeable with season and weather. Usually a tomato red, but can vary from almost rose to dark red. Far and away the most vigorous and largest growing hybrid to date; up to 12" high, 6" diameter. Deep green stems, black spines. Difficult and slow to propagate, supply will always be limited. Choice **$3.50**

Fluffy Ruffles. A vigorous, free flowering hybrid with attractive 6" ruffled flowers of flushed glowing orange..... **$1.25**

Forty Niner. Brilliant golden yellow with bright green stem, very short harmless spines **$1.50**

Kate Walker. An exceptionally free flowering hybrid with handsome soft red flowers. A vigorous, easily grown plant. Much recommend.. **$1.25**

ORANGE GLORY

Brilliant glowing orange like orange sherbet. This handsome Lobivopsis hybrid is illustrated ½ natural size. A free flowering variety blossoming in late spring and summer. Easily grown as it is vigorous and develops a strong root system. You will treasure this beauty. Each..... **$2.50**

AMONG the easiest to flower, and among the most rewarding. These beauties have been hybridized with an eye to good flower form and color, longer flowering periods, number of flowers and ease of flowering as well as cultural ease. All of our Paramount Hybrids (Lobivopsis) meet these requirements in ample measure. You will find them easy to grow by following simple instructions. Once their cultural requirements are met they are sure to flower with a bounteous display. It is no exaggeration when we say mature plants often bear up to 30 blossoms per plant! Our nursery is a fairyland of color during spring months with "ohs" and "ahs" from visitors. Be sure to visit us at that time. Check visiting hours page 2.

AURORA

Orange-yellow center shading to darker orange or salmon at the petal tips. A handsome compact, very free flowering plant. Six flowers open at once, with as many buds remaining is not unusual for a 3½" plant. Flower tube covered with silky wool. Body, pale apple green. A fine new offering. Each..... **$1.50**

Morning Glory. Lovely pink blossoms with a faint bluish cast. Entirely distinct from all other Paramount Hybrids. Small..... **$2.25**

Orange Paramount. See photo next page.

Peach Monarch. See photo this page.

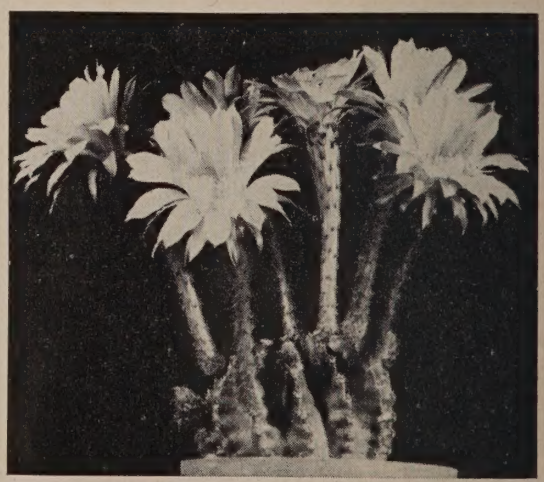
Red Meteor. Deep glowing red with faint violet overlay. Our finest red. Very free flowering, vigorous. We have only a few small plants of this beauty available this year. Each..... **$2**

Red Paramount. See color photo p. 25.

Sunset. Red with violet overlay, petals with pale yellow center stripe.... **$1**

SPECIMEN PLANTS

We have specimen plants of our Paramount Hybrid series available from time to time. We are unable to supply these by name, but you can be sure they will be choice plants of full flowering size. **3" - 4" clustered specimens at $5 each, carriage collect or shipped Postpaid for $7.50. Please note! 10% discount does not apply to this item.**



TERRA COTTA

A striking new introduction. Full-petalled flowers of creamy white with a terra-cotta stripe down the center of each petal. Dark green stem with very short almost harmless spines. A rich loam soil, plenty of water during summer, and full sun will bring this beauty to perfection. Nice..... **$2.25**

EASY TO FLOWER

HYBRIDS * * *

VERY FREE FLOWERING - UP TO 30 BLOSSOMS ON A MATURE PLANT!

CULTURE

AMONG the easiest and most foolproof of cacti to grow and flower. They will grow under a variety of conditions, tolerating some shade, but to insure good flowering be sure to observe these few requirements.

Soil. Any rich soil through which surplus water quickly drains away. Don't use a sticky clay soil. A good basic mix is equal parts crumbly loam, clean sand, and leafmold, or fir-bark.

Light. Full sun or a sunny window for best flowering. Place outdoors during summer when possible. They will grow in shade, but flower less.

Winter rest: Be sure to rest plants in a cool location rather than a warm room during winter. They will tolerate temperatures as low as 28° F. for short periods outdoors in dry regions down to 24° or less.

Watering. Give ample water during summer. Test soil to 1" depth. If dry, water well. Watering so that soil dries out in 5-7 days during summer is about right. An occasional feeding with Johnson's Cactus Food will be highly beneficial.

IT IS with pride and pleasure that I introduce my Paramount Hybrid series. Two of them, Aurora, and Terra Cotta, for the first time. With over 20 years of experience in hybridizing them, slowly bringing them to their present perfection, I am confident every amateur can succeed with them and realize their full beauty under a variety of growing conditions.

Harry Johnson

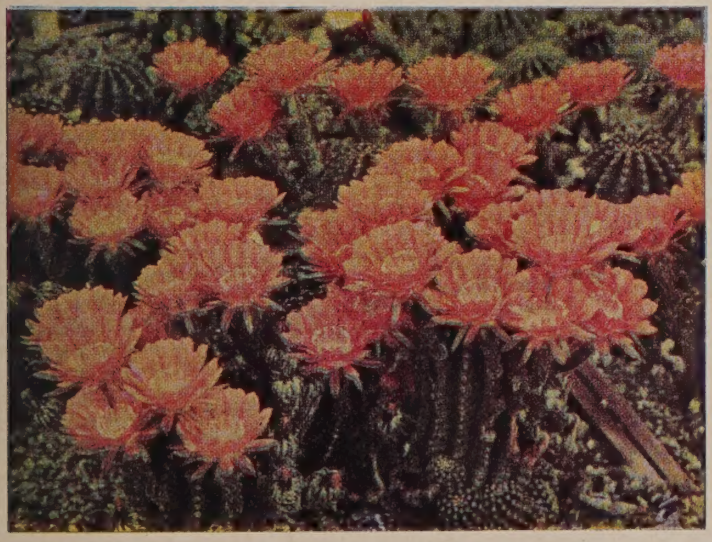
STARS AND STRIPES ¼ NATURAL SIZE

Gorgeous many-petalled ruffled flowers of warm rose-pink with a dark rose stripe down the center of each petal. Imagine a dozen or more such flowers on one plant! Having grown it for the past 5 years under all possible conditions, we can recommend it highly. This beauty is all anyone could wish for in a flowering cactus. Rich loam, full sun, and generous watering during summer will bring this easily grown charmer to perfection. Each..... **$3.85**

Tangerine. Brilliant tangerine. Distinct, clear coloration, 5" - 6" long. Plant strong with dark spines. Stock limited..... **$1.75**

Terra Cotta. See photo p. 24.

White Knight. A particularly graceful wide open flower of pure glistening white. Many petalled flowers, 5" across. We have been hoping for a good white in our Paramount series, and this is it. Pale green body, clean and compact. Only a few small 1" - 2" plants available. Each..... **$2.25**



RED PARAMOUNT

The color photo was taken in our propagating beds during June. Its free flowering quality is amply evident! Each plant often having a dozen flowers open at once. Color varies with weather and season. A vigorous, easily grown, easily flowered plant. Each..... **$1**

PARAMOUNT HYBRID COLLECTIONS

COLL. K. 10

3 of our finest hybrids Stars and Stripes, Orange Glory, and Aurora selected to give you unparalled beauty. A $7.85 value specially priced at

$6.95

COLL. K. 11

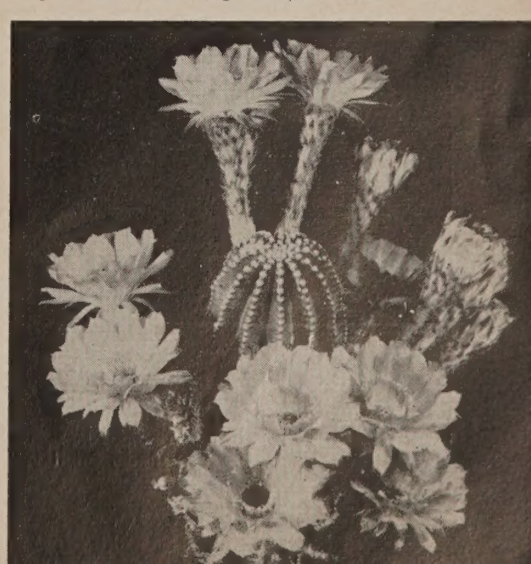
3 Paramount Hybrids of different colors. Our selection. Special

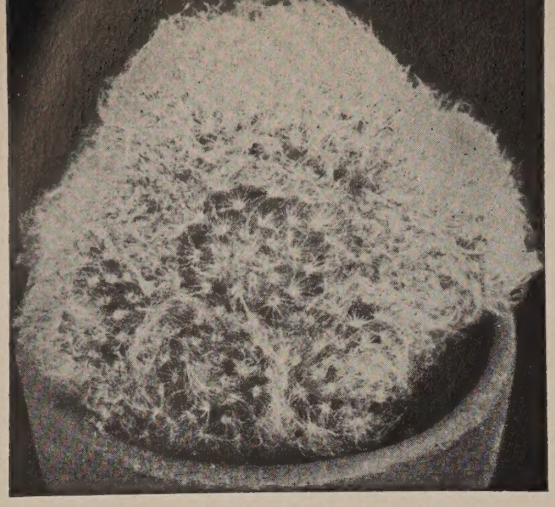
$2.95

REMEMBER, all orders of $10, or more, may take a 10% discount. Order $10 worth, pay only $9!

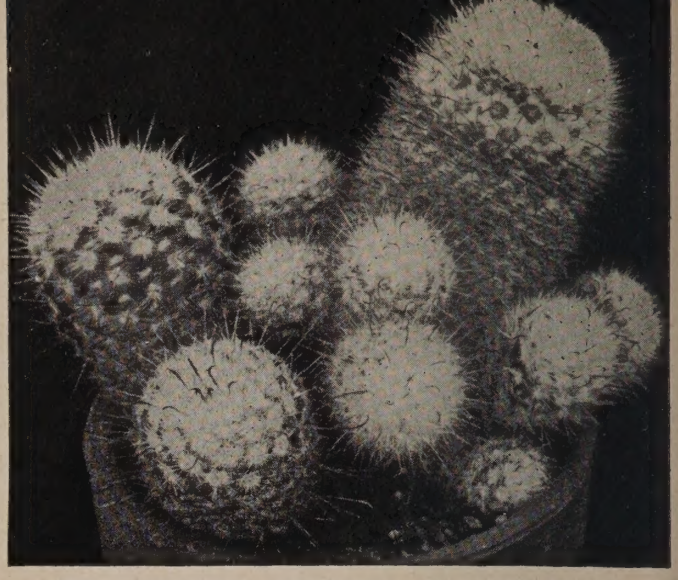
ORANGE PARAMOUNT

Extremely free flowering variety with lovely orange-yellow blossoms. A pretty, deep green plant almost spineless. Flowers well even when young. Rich loam, full sun, watering generously during summer. Flowering size plants..... **$1**





Echinomastus Macdowellii 2" - 4" conical plants having glossy-white spines, purple flowers. Mature imports $2.50; **Astrophytum capricorne** (Goat's Horn) Flowers yellow, cherry center. 75c, **Astro. ornatum mirbellii.** The snow-white form of Star Cactus. Small $1, **Astro. myriostigma columnaris** 75c, **Astro. myrio. nudum** $1, **Astro, myrio. tamaulipensis** $1, **Astro. virescens** $2.50. **Cochemeia poselgeri** $1, **Coch. maritima** $1.50, **Coch. setispina** $1.50. **Copiapoa humilis.** Brown body, black spines $1. **Malacocarpus.** Globe shaped, dense wool at apex, yellow flowers. **Mal. corynodes,** $1, **M. erinaceus** $1, **M. pauciareolatus** $1, **vorwerkianus** $1, **Frailea.** 1" miniatures, yellow flowers. **F. gracillima** $1, **F. pumila** $1, **F. pygmaea** $1, **F. pseudopulcherrima** 75c, **F. schlinskyana** 75c



HUMMEL'S POWDER PUFF

Differs from the popular Powder Puff as it offsets all the way up the plant thus forming conical, tall, tight cluster. Beautiful, pure white. Quick grower soon making a nice specimen. Nice many headed clusters **$1, small clusters**..... **60c**

SILKEN PINCUSHION

A freely branching species, each branch tipped with long silky wool. The flowers are charming pink. Mamillaria bombycina is one of the daintiest cacti. Nice small plants..... **60c**

CHILEAN PINK BARREL

Winter flowering hybrids of Neoporteria. Ball shaped cacti producing crowns of exquisite carmine to pink flowers during our winter and early spring months. Neoporterias are spiny cacti for the conoisseur. Slow growing, eventually reaching 6" to 8" in height. Quite easy to grow enjoying full sun, moderate watering. Small flowering specimens..... **$1.25**

DAM'S CHIN

Everyone can flower Gymnocalycium damsii. Flowers when quite small. Blossoms pink-white 1½" across and borne in succession during spring and summer. Easily grown. Each..... **50c**

BRUCH'S CHIN

One of the tiniest of all cacti, producing 1" pinkish-white flowers when less than one inch across! Gymnocalycium bruchii produces clusters of many babies. Choice..... **75c**

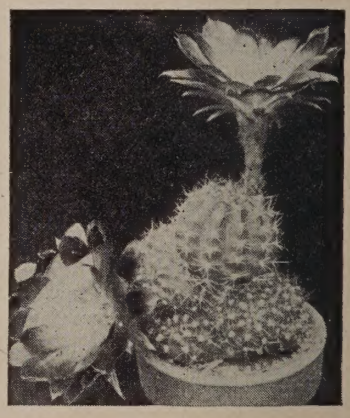
FIRE CROWN

Lustrous flame colored flowers, soft bristly snowy white spines. Rebutia senilis soon forms mounds of many babies, each baby producing flowers when mature so that one plant can produce up to a dozen flowers at a time. Rebutias do best in a rich porous loam, with plentiful watering in summer, and some shade. Small ¾" - 1"..... **50c**

LOBIVIA LARABEI

AT RIGHT

Bright scarlet flowers, white throat. A small clustering plant producing many babies which may be detached easily to start a new plant. Clusters to 3" across. Of easy culture, best in sun or part shade, plentiful water during summer. Rest in winter. Nice..... **50c**



PINK BALL

AT RIGHT

Flowers a clear bright pink with a satin sheen. Notocactus rutilans flowers readily under a variety of conditions. It likes a rich well drained soil and a sunny location with moderate watering. A winter rest will insure flowering. A truly lovely plant which flowers for everyone. Few Notocactus have pink flowers. Nice 2 year old plants..... **65c**

EAGLE CLAWS

Radiant pink blossoms, crepe-like petals, out of such a spiny looking plant! Echinocactus horizonthalonius is bluish-grey with stout recurved spines. Clean sand, watering when dry. Mature flowering plants $1 and..... **75c**

ANGEL WINGS

Seldom over 3" tall, completely spineless. Each pad is covered with snowy white areoles. Opuntia microdasys albata branches freely and remains dwarf. A dainty, easily grown plant. Nice..... **42c**

Ariocarpus. Thornless Mexican plants with leathery tubercles and white or violet flowers. Sand, leafmold. Water only when dry. Those listed are mature flowering specimens. **A. furfuraceus.** Large species, 2" - 3" $3.50, **A. trigonus.** Small $2.50, **A. lloydii $2. Neoporteria.** Flowering with us Nov.-Feb. Cerise flowers. Conical, spiny. Chile. **N. accutissima** $1, **N. atrispinosa,** small $1, **N. fusca,** small $1, **N. heteracantha,** small $1, **N. jussieu,** small 1" $1, **N. nidus** $1.50.

BIRD'S NEST

Each nipple tipped with long curling harmless yellow spines. Mamillaria camptotricha soon forms clusters of many babies. Clusters $1, small..... **50c**

GRAPE CACTUS

Short, harmless spines surrounded by hairlike white bristles. Single heads of Mamillaria multiceps soon form clusters of many babies 3" across. The babies may be easily detached to form new plants. Easily grown. Nice..... **45c**

AGAVE CACTUS

One of Mexico's oddest rarities. Leuchtenbergia principis has long grey tubercles each tipped with papery ribands for spines, large yellow fragrant flowers. Forms short trunk, tuberous root. A collectors' items as very slow growing. Nice..... **$1**

OLD LADY CACTUS

Old plants covered with long white hairs; young plants are "whiskery." Mamillaria hahniana is particularly lovely when in flower when the bright carmine flowers form a crown. Flowering even in cold winter weather. Flowering $1, small..... **50c**

Parodia. Small, globe shaped to 3". Yellow flowers. Rich soil, moderate watering. Flower easily. **P. comparapana,** orange-yellow $1, **P. maasii,** small $1.25, **P. mutabilis** 75c

BUTTON CACTUS

This is a rare clustered form of Epithelantha micromeris. Harmless white bristly spines. Grow in clean sand (no clay) with ¼ humus. These are the finest specimens we have seen! Beautiful many-headed clusters 3" - 4" across, each **$4.50** and..... **$3.50**

Ferocactus. True, large barrel cacti. **F. covillei** 75c, **F. gracilis** bright red spines 75c, **F. macrodiscus,** beautiful mature 3" - 4" specimens, purple flowers $3.50; **F. peninsulae,** small 75c; **F. rectispinus,** small 1" 75c; **F. wislizenii, "Candy Barrel,"** 1" 75c.

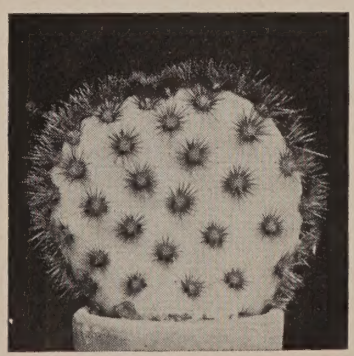
ORANGE COB

Vivid blossoms of yellow-orange, orange and red bedeck this beauty during late spring. Lobivia famatimensis is a beautiful sight. Full sun, moderate watering. Beautiful flowering size specimens..... **$1.25**

ALL ORDERS $10. OR MORE, TAKE 10% DISCOUNT

FEATHER CACTUS

Soft, feathery mounds of purest white. Mamillaria plumosa is spineless, having silky plumes instead. Handsome, unique specimens slowly forming clusters. Clean sand with ⅓ leafmold added. Bright airy situation protected from noonday sun. Clusters $1, $2.50 to $10, small 1"..... **50c**



OPUNTIA ACICULARIS

Handsome chestnut red glochids. Old pads grow more beautiful yearly with added glochids particularly when grown on the dry side. Overwatering forces it to grow too quickly thereby losing its beauty. Be careful, handle only with tongs..... **$1**

RUBY EASTERLILY

Glorious flowers of deep ruby red. Echinopsis kermessina often produces several sets of flowers a year. A handsome specimen up to 6'' across, appreciating light rich loam, sun and generous watering during summer. Feeding with Johnson's Cactus Food will induce vigorous growth sure to flower. Small 1'' **75c** 3 years 2'' - 2½''..... **$1.50**

CORAL CACTUS

Charming cream colored flowers followed by coral-red berries that last for months. Mamillaria heyderi is especially attractive with its crown of red fruit. Curious turnip-like base. Well drained loam, full sun, generous watering in summer. We offer mature flowering plants 2''-3'' Each..... **75c**

ECHINOCEREUS. Large, bright colored flowers. Easily grown. Several are hardy. **E. albispinosus** 1'' 75c, **amoenus** ¾'' $1.50, **baileyi** 1'' 75c, 2''-3'' $1, **dubius** 75c. **fedleri.** Hardy 75c, **fitchii** 1'' 75c, **knipellianus** ¾'' $1.25, **maritima** 1'' $1, **nocturniflorus** $1, **papillosus** $1, **pensilis.** Rare $1.50, **reichenbachii.** Texas Rainbow 1''-2'' 75c, **salm-dyckianus** $1, **sciurus.** Large, rosy-violet. Choice! $1. **subterraneus** $1; **STENOCACTUS.** Permanent Wave Cacti. **S. coptonogonus** $1, **densispinus** $1 and $2, **lloydii** 1'' $1; **MELOCACTUS.** Turk's Cap. **M. townsendianus** ¾'' $1; **MATUCANA yanganucensis** $1; **THELOCACTUS.** Handsome, large flowers. **T. bicolor V. tri-color** 1'' $1, **T. bolansis** $1, **T. goldii** 1'' $1, **T. roseanus** 1½'' $1; **SOEHRENSIA.** So. American Barrel Cacti to 10'', red flowers. **S. bruchii** 1'' $1, **S. korethroides** 1'' $1; **SOLISIA pectinata.** Similar to Pelecyphora, but with yellow flowers and bristly white spines, beautiful mature imports $2.50. **ENCEPHALOCARPUS strobiliformis.** Pine Cone Cactus. Mature imports $3.50; **HOMALOCEPHALA texensis.** ''Horse Crippler,'' pink flowers. 4'' mature $1.75; **WEINGARTIA cumingii,** yellow flowers, rare, 1'' $1; **PORFIRIA schwartzii,** a rare Mamillaria-like cactus, turnip root. Mature imports $2; **PYRRHOCACTUS horridus** ''Flame Cactus'' 1'' $1; **P. umadeave** 2'' $1.50; **ACANTHOCALYCIUM klimeplianum** 1'' $1.25; **ISLAYA minor** $2; **ANCISTROCACTUS scheerii** 2'' $1;

ESCOBARIA chaffeyi, brown flowers. Small $1, **E. strobiliformis** $1, **E. tuberculosa** 3'' mature $1; **AREQUIPA leucotricha,** rare, small $1.75; **NEOLLOYDIA beguinii senilis,** small 1'' $1, **N. conoidea.** Purple flowers 1''-2'' $1, **N. horripila** 1'' $1;

ECHINOPSIS or Easterlily cacti, vigorous, large flowered, easily grown, 3''-6'' diam. **E. braziliensis** $1, **e. bridgesii** 3'' $1.25, **e. calochlora,** small $1, **e. cordobensis** 2'' $1, **e. eyriesii rosea** $1, **e. ferox,** black spined 1''-2'' $1, **e. grandiflora** ''Rose Easterlily'' 1''-2'' $1, **e. hamatacantha** 2''-3'' $1, **E. Heavenly twins,** double tube $1, **e. leucantha** 1'' 75c, **e. leucorhodantha** 1'' 75c; **e. obrepanda** 1'' 75c, **E.** species. Paraguay, largest flowers, up to 6'' pink. 1''-2'' $1, **e. polyancistra,** small species, white 1''-1½'' 75c. **e. rhodotricha** 1'' 75c, **e. riograndensis** $1, **e. ritteri** 1'' 75c, **e. schwantesii** $1, **e. torrecillacensis** ½''-1'' 75c, **e. tucumanensis** $1.

SILVER BALL

Globes of silvery white bristles crowned in midsummer with bright golden flowers. Notocactus scopa seldom reaches 4'' diameter. Central spines often red in full sun. Porous loam, sun, generous watering in summer. 1½''-2'' **75c,** 2½'' **$1,** 1''..... **50c**

SCARLET BALL

Glistening white globes topped with scarlet flowers. Harmless, bristly spines. Notocactus haselbergii is one of the handsomest of cacti. Easy to flower in porous loam, full to part sun. Generous watering in summer. Spines yellowish in full sun. 2½'' **2.50,** 1½''-2'' **$1.25,** 1''..... **90c**

MEXICAN JEWEL COLLECTION K12

These four pretty and easily grown Pincushions may be planted in individual 2 or 3 inch pots or may all be planted together in a small ornamental dish 4 to 5 inches in diameter for a Dish Garden. They all do well in any well lighted window with moderate watering. The set for only..... **$1.45**

POWDER PUFF (Mamillaria bocasana)

Like a bursting cotton ball this little plant is clothed with silky snow-white hair, bears creamy flowers which are followed in late spring with inch long brilliant red, curved seed pods. A jewel among cacti. Flowering size..... **50c**

LADY FINGER

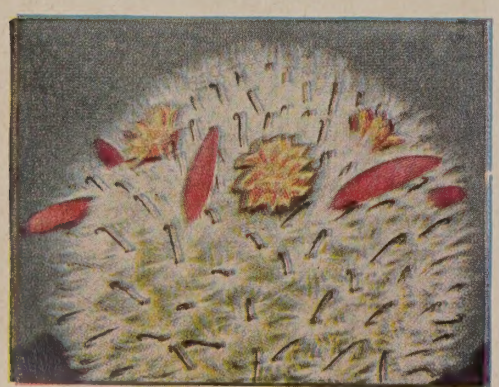
An old favorite, Mamillaria elongata schmollii has harmless bright yellow, rayed spines. A dainty gem..... **50c**

THIMBLE CACTUS

Like the Old Lady Who Lived in a Shoe Mamillaria fragilis produces many offspring. Harmless white spines. Nice plants..... **40c**

RUBY DUMPLING

Early flowering, quick growing small Mamillaria with bring red blossoms. Easily grown. Each..... **50c**



STRAWBERRY CACTUS

Small, to 3'', globe-shaped with bright yellow flowers followed by crimson seed pods. Hamatocactus setispinus. Small flowering..... **50c**

OPUNTIA ASSORTMENT
Coll. K14

5 Dwarf Opuntias for attractive pots, including Angel Wings, Bunny Ears, etc. **Unlabelled.** **$1.60**

WINTER HARDY PRICKLY PEARS
Coll. K15

6 Hardy Opuntias from Canada, Wyoming, Wisconsin, etc. Small species for rock gardens. **$2.50**

Rare Opuntias: O. ipatiana 75c, **o. pycnantha.** Chestnut spines $1, **o. bulbispina** $1, **o. johnsonii** 75c, **o. atrofusca** 75c, **o. floccosa** $1.50, **Consolea rubescens** 75c; **Tacinga funalis** $1, **Quiabentia chacoensis** $1.

MEXICAN LIVING ROCK

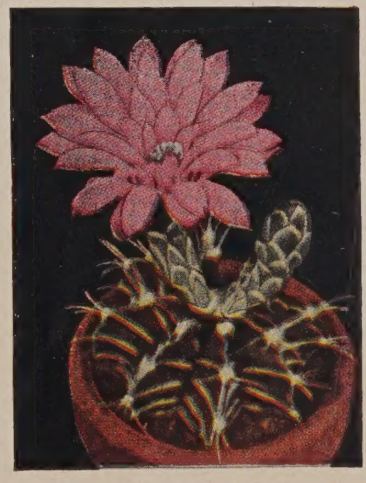
Exquisite rose flowers, woolly center, spineless, leathery tubercles. Clean sand, ¼ humus. Water when dry. Mature flowering specimens, large **$2.50,** Large flowering specimens..... **$1.50**

TOM THUMB

A favorite of ours. Small globes to 3'', golden spines, yellow flowers. Parodia aureispina is easily grown and flowers readily. Generous watering during summer. Nice, small, flowering..... **50c**

ROSE PINCUSHION

Always a delight in spring, flowering for 8 weeks or more, each plant and baby with its crown of flowers. Mamillaria zeilmanniana is a prime favorite. Grows to 2½''. Large **75c** and **$1,** nice flowering..... **50c**



ROSE PLAID

An endless succession of pink flowers all summer, each often larger than the plant! Gymnocalycium friederickii is seldom more than 2'' across. Water generously in summer. Flowering size 1''-1½''..... **75c**

VIOLET SEA URCHIN

Bright violet-pink blossoms. Acanthocalycium violaceum is a lovely small cactus up to 4'' across. Water generously in summer. Flowering **$1,** nice small..... **50c**

BISHOP'S CAP

Spineless, covered with soft white scales; golden flowers late summer. Astrophytum myriostigma is a perennial favorite. Water well in summer, full sun. Nice **75c** and 1''..... **50c**

RED CROWN

Easily grown, flowering for everyone. Rebutia minuscula soon forms clusters of babies. During spring flowers appear almost continuously over many weeks. Nice 1'' flowering..... **50c**

CHAPLET CACTUS

White and ivory blossoms. Gymnocalycium delaetii flowers freely throughout summer. Makes nice 4" specimens. Rich, porous loam, watering generously during summer.
Small..... **60c**

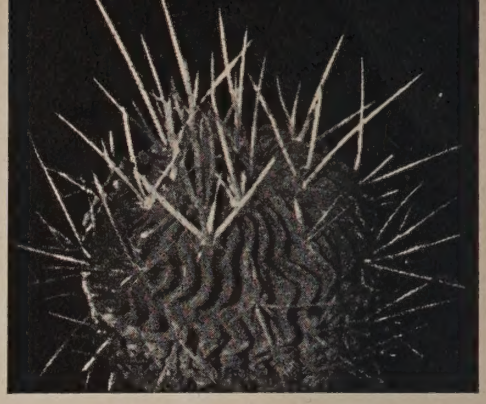
MAMILLARIAS OR PINCUSHION CACTI. Among the finest of all cacti as pot subjects. Culture is easy, needing only a well drained loam and a sunny position. We are sorry, space no longer permits a description of each species. We suggest reference to our older catalogs, or any of the fine books on the subject. **Mamillaria albescens.** White Bird's Nest 75c, **albicoma.** Silky powder puff type $1, **albilanata** 1" 75c. **aurihamata.** Golden powder puff type 1" 75c, **bachmanni.** Striking. 1" 75c, **baumii.** Yellow flowers 1" 75c, **baxteriana** $1, **bicornuta** 1" 75c, **brandegii** $1, **brauneana.** White spines $1, **bravoae.** Choice, white wool at crown. 1"-1½" 75c. **bullardiana.** Columnar sp. 1"-2" $1, **candida.** Snowball pincushion, snowy white globes 1" 75c, **carnea.** Pink flowers 1" 75c, **celsiana.** Yellow spines, small 75c, **centricirrha.** Bird's Foot Pincushion, small 75c, **chionocephala.** Scarlet fruit, small 75c, **collinsii.** Dark purple in full sun, 75c and $1, **columbiana** (M .bogotensis). Rare S. American sp. Very pretty, $1, **compressa.** Mother of Hundreds, small 60c, **coronaria** 75c, $1, **dealbata.** Forms beautiful clusters. Small 50c, $1, and $2.50, **decipiens.** Gnome's Pincushion 60c, **discolor.** Globose. Amber-yellow 1" 75c, **durispina** 1" 75c, **echinaria,** yellow spines $1, **elegans var. schmollii nigrispina,** clustering, handsome jet-black centrals. 2"-3" $2.50, 4" clusters $3.50, **elongata Pink Nymph.** Yellow spines, pink flowers 60c, **elongata rufrocrocea.** Reddish spines 75c, **erythrosperma.** Small 75c, **flavovirens.** Rose-striped flowers 1" 75c, **formosa.** White spines $1, **fragilis prolifera** 50c, **galeottii** (M. tetracantha-var. galeotti. Flexuous yellow spines 1" 50c, **geminispina.** Handsome clustering white spines 1" 75c, $1, **glochidiata** 75c, **hahniana superba** 1" $1, **hamiltonhoytate** 1½" $1, **haseltonii** 1" 75c, **hererrae.** Golf Ball. ¾"-1". Mature $1.50, **karwinskiana** 1" 75c, **klissingiana.** Beautiful, woolly sp. ¾"-1" 75c, **lasiacantha.** Dense white spines. Mature flowering 75c, **longicoma** 1" 75c, **martinezii** 75c, **mazatlanensis.** Very rare 1" 75c, **melanocentra.** Beautiful rose flowers 1" 75c, **microhelia.** Yellow spines 60c, **mutabilis** 1" 75c, **mystax.** Rose flowers 1" 75c, **nejapensis.** Small 75c, $1, **occidentalis.** Very rare 1" $1, **parkinsonii** 1" $1, **parkinsonii var. brevispina** 1" 75c, **perbella lanata** $1, **pfeifferi.** Yellow spines, small 75c, **polyedra** 1½" $1, **pottsii** 3"-5" mature, beautiful white $1, **pringlei.** Beautiful golden yellow flexuous spines, 6 year-old specimens $3.75, **pringlei columnaris.** Handsome 1" 75c, **pygmaea.** Fishook pincushion, 1" 65c, **pyrrocephala.** Flame Pincushion, dark spined, winter blooming 1" 60c, **rhodantha,** small 65c, **ritteriana** 1" 75c, 3" $1.75, **sartorii.** Cranberry Cactus 1"-1½" 75c, **sempervivi.** Very short nipples 1" 75c, **sphacelata.** Mature clusters $3.50, **spinosissima.** Beautiful species, spines variable white to red 1" $1, **supertexta** 1"-2" $1, **surculosa,** clustering 60c, **trichacantha** 1" $1, **uncinata** 2" $1, **vaupelii.** Vaupel's Pincushion, small 1½"-2" 75c, and $1.50, **vierickii,** 1" $1, **viperina.** Slender body, close set spines, rare. $1, **waltheri** $1, **woodsii.** Beautiful, jet-black spines, snowy wool 1" 75c, **yucatanensis.** 1" 75c, **zeyeriana.** White spines 2" $1.25, 4" $3, **zuccariniana** $1.

REBUTIA OR CROWN CACTI. 3"-4" clusters, bright flowers. Easily grown, flowering readily. Rich porous loam, generous watering in summer. **Rebutia citricarpa** (form R. senilis), very free flowering 75c, **costata** 1" $1, **dasyphrissa** $1, **digitiformis.** Clusters $1, **elegans.** Dark red $1, **grandiflora.** Scarlet Crown $1, **grandilacea.** Choice free flowering hybrid between R. grandiflora and R. violaciflora $1, **kupperiana.** Dark red $1, **pseudominuscula.** Deepest red $1, **speggazinii** $1, **steinbachii.** Violet red 75c, **steinmannii** (Lobivia) Clusters $1.

NOTOCACTUS, Ball Cacti. Free flowering, seldom more than 3" across. Very easily grown. Rich loam, full sun, generous watering in summer. **Notocactus apricus.** Sun Cups. Large yellow blossoms, flowering 75c, **braziliensis.** New species $1, **caespitosus.** Rare $1, **catamarcensis.** Rare sp. $1.25, **concinnus** $1, **floricomus velanovskii.** Nice 75c, **graessneri.** Yellow Ball. Handsome yellow spines 75c, **haselbergii stellatus.** Very rare, small $1, **herteri.** Very rare, pink flowers, small $2, **linkii** $1, **ottonis.** Indian Head. Reddish spines, yellow flowers, flowering $1, **ottonis var. tenuispinus.** Small $1, **schumannianus.** Giant Ball, small 75c, 2"-3" $2.25, **tabularis.** Reddish spines, small 60c, **velanovskii** 60c.

GYMNOCALYCIUM. CHIN CACTI. Small plants, averaging 3" across, very free flowering, often flowering continuously through spring and summer. Rich, porous loam, watering generously in summer. **Gymnocalycium andreae.** Black body, yellow flowers $1, **anisitsii.** Large waxy white flowers $1, **bodenbenderianum** $1, **deesianum,** white flowers $1, **denudatum.** Almost spineless $1, **fleischerianum.** Pink Chin, beautiful rosy-pink flowers $1, **gibbosum.** White flowers $1, **hyptiacanthum.** Yellow flowers, small $1, **leeanum.** Yellow Chin $1, **leptanthum.** Pink Pearl Chin, exquisite pearl pink flowers $1, **monvillei.** Stout Spined Chin Cactus. Handsome small ¾" 75c and $2.25, **mostii.** Flowering size $2.25, **occultum.** Flesh pink. Small $1, **ourselianum.** Oursel's Chin, small 75c, **quehlianum.** Dwarf Chin $1.

LOBIVIA. Lovely shades of pink, red and yellow. Native to the Andes, winter in a cool place to insure flowering. Porous loam, full sun, water generously in summer. **Lobivia astranthema** $1, **ayacuchensis** $1, **backebergii.** Carmine $1, **binghamiana** $1, **boliviensis.** Red $1, **chrysochaete,** yellow, red throat $1, **cinnabarina** $1.25, **corbula.** Beautiful red and yellow $1, **cylindrica** 75c, **deesianum** $1, **formosa rubriflora** $1, **haageana.** Yellow $1, **hermanniana.** Red $1, **hertricheana.** Red, $1, **higginsiana** $1, **huascha rubra** $1.50, **jajoiana var. fleishcheriana** $1.50, **lateritia.** Ruby red 75c, and $1, **longiflora** $1, **l. marsoneri.** Bright yellow, red throat $1, **muschii.** Lilac flowers, small $1, **nealeana.** Carmine $1, **neohaageana** $1, **orurensis** $1, **pampeana** $1, **pentlandii carminea.** Clusters $1.50, **planiceps.** Dark red, $1, **pseudocachensis.** Dark red, $1, **rebutioides,** fiery red $1, **sanguiniflora,** blood red $1, **schaferi** $1, **walterspielii.** Red. $1.



PERMANENT WAVE CACTUS

Curious waved ribs; attractive striped flowers in pink or lavender. Stenocactus sp. have stout spines, make handsome specimens.
Nice 1"..... **50c**

GET THE FINEST PLANTS AND SAVE!

BEGINNERS COLLECTION K16

15 assorted Cacti and Succulents. A well selected group of choice plants, bright spined and flowering cacti, attractive interesting succulents all of good size. All plants labelled. The set only..... **$5.98**

FANCIERS COLLECTION K17

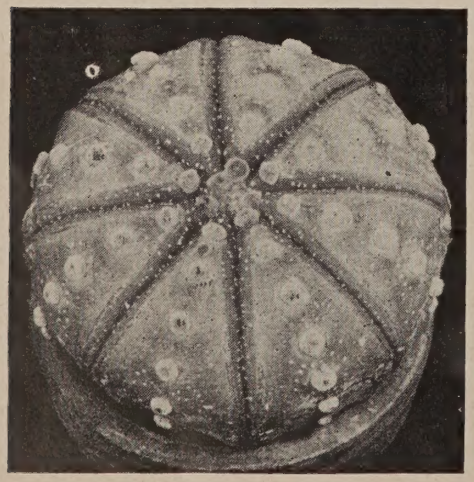
30 Fine Cacti and Succulents for the discriminating collector. Includes many rare items not in this catalog. A group any collector would be pleased to have. Notocactus, orchid Cactus, Haworthias, Euphorbias, Crassulas, etc. Correctly labeled. The set only..... **$11.45**

SUPERB FANCIERS COLLECTION K18

100 Choice cacti and succulents including many collector's items some of our most rare. Our finest collection. All correctly labeled. The set only..... **$32.50**

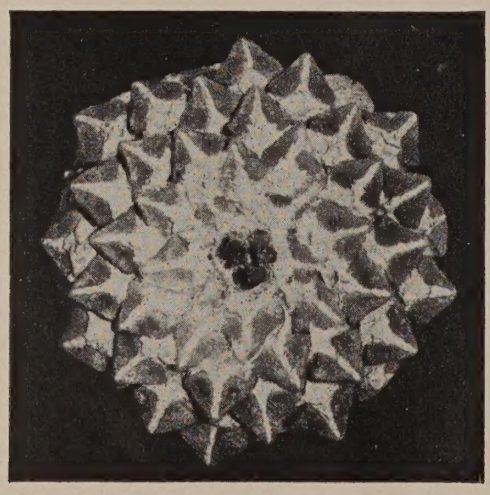
COLLECTION K19—100 all cacti; no succulents. Labelled..... **$56.50**

COLLECTION K20—50 all cacti; no succulents. Labelled..... **$27.50**



SAND DOLLAR

Like some strange denizen of the seashore! Astrophytum asterias is spineless. Large yellow flowers flushed cherry-red at base. Sharp sand with ¼ humus, watering generously in summer. Mature flowering specimens. Large $2.
Small flowering..... **$1.35**



ARIOCARPUS KOTSCHOUBEYANUS

Exquisite lavender-red flowers often larger than the plant itself! A rare, curious cactus from Mexico. Completely spineless. Woolly center. Grow in sharp sand and humus, full sun. Mature, flowering imports..... **$1.65**

OBREGONIA DENEGRII

A rare, curious cactus from Mexico. Almost spineless, only bristles remaining. Pretty white flowers, yellow stamens. Leathery, pale green tubercles. Does well in sand and leafmold, watering well in summer, full sun.
Mature imports..... **$2.35**

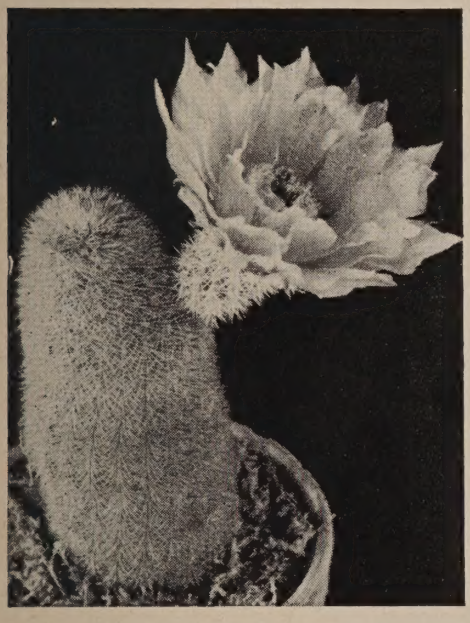
CEREUS & *Its Allies*

TO this large group belong most of the tree-like cacti except the Opuntias. Most of them are native to warmer regions, from our extreme southern states through Mexico and Central America and the adjacent islands south to Argentina and Chile. They may be finger-sized plants to great trees up to 64' tall weighing many tons; or they may be slender climbers opening their huge white chalices to the tropic moon. The tree-like forms as the Suhuaro give a distinctive atmosphere to southwestern deserts. The flowers are often large, mostly night flowering to attract the moths which pollinate them. After the flowers come the large fleshy fruits, often brilliant red, cerise, or yellow, sometimes delightfully fragrant, and often pleasant to eat.

CULTURE. Most of this group do very well under almost all average conditions. In window gardens one must use windows that are available, but if a choice may be made, those facing south are given first choice. East windows or west windows are almost equally useful and very good results may be obtained. North windows may be used but since no direct sunlight enters more care must be taken in watering. After the first season north exposures produce few flowers. Their root systems are vigorous and if the plants are not too persistently overwatered they give a good account of themselves. They like the same type of soil as other cacti; a reasonably rich but quite porous compost or soil through which water drains quickly. Coarse, porous soils allow air to penetrate freely to the roots preventing rot. A good basic compost is 1 part crumbly loam, 1 part fine—30-40 mesh sand, 1 part leafmold, peatmoss, sphagnum moss or fir bark. This may be varied to suit your own requirements. Granulated charcoal is very useful as is perlite sometimes sold under the name of Spongrock. They can take the place of part of the sand with great benefits. Water generously during summer months, rest during cool winter month. **Hardiness:** In general, this group is hardy to 32° F, with many, if not most, hardy to 28° F—at least for short periods, such as is occasioned by California frosts. Prolonged exposure at freezing temperatures 32° to 28° F, for several days at a time, will result in permanent injury or death. Bear in mind that there are many factors involved in frost damage: growing condition of the particular plant—whether in full flush of growth or resting, the particular situation—against the house, etc., dewpoint, etc. The following genera of Cerei are rather more tender and may require protection at 32° F: Acanthocereus, some Cephalocerei, Lemaireocereus, and Mediocactus.

OLD MAN CACTUS

Everyone's favorite. Long snowy hair completely clothes the stem of Cephalocereus senilis. A native of Mexico preferring porous loam and a sunny position. Water carefully indoors, more generously outdoors. Small **50c.** Nice..... **75c**



YELLOW RAINBOW CACTUS

Offered as mature flowering plants, Echinocereus dasyacanthus is sure to flower. Large, 3''-4'' pale yellow blossoms. Close set, cream-colored to reddish spines. Full sun, porous loam. Water carefully inside. Handsome mature plants..... **75c**

POTTED CACTUS AND SUCCULENT ASSORTMENTS—ESTABLISHED FOR YOUR CONVENIENCE!

COLLECTION K 21

10 assorted cacti and succulents, all established in plastic pots, including some of our best plants such as Star Cactus, Mam. Pink Nymph, Rose Pin, Zebra Haworthia, Red Dragon ,and others. This choice collection, all potted, our selection—for only..... **$6**

COLLECTION K 22

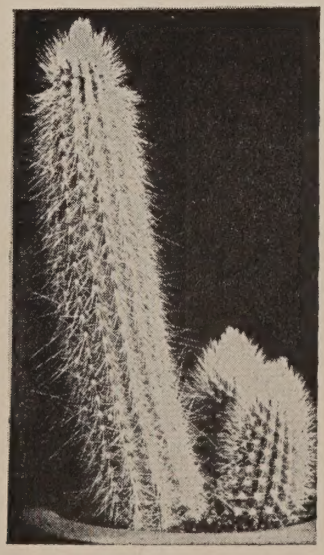
10 assorted cacti established in pots. This selection is intended for those preferring all cacti. Some of our choicest cacti are included. We are sure you will be pleased with these! This choice collection, all potted, our selection for only..... **$6**

WE KNOW YOU WILL BE PLEASED WITH THESE!

Cactus and Succulents and How To Grow Them. 68 pages of information and pictures. More than worth its price of..... **50c**

CURIOSITY PLANT

Chestnut brown spines, dark green stem. The curious monstrose growth of Cereus peruvians hyb. is permanent; slowly forming splendid show specimens. Give a rich soil, sunny position, watering generously in summer. 4'' specimens, $1. Nice..... **60c**



SILVER TORCH

Silvery columns, making nice clusters even when small. Cleistocactus straussii reaches 3', produces odd tubular scarlet flowers. Easily grown. Large 6'' $1, small..... **50c**

PERUVIAN APPLE

Large, sweet, red or yellow fruits are produced on mature plants. Cereus peruvianus seedlings grow quickly in a rich soil with generous watering in summer. Mature cuttings, often flowering first year, 10''-14'' $3. Nice seedling $1, and..... **60c**

QUEEN OF NIGHT

Huge 12" blossoms; a cup of snowy white petals surrounded by golden sepals. A breathtaking sight! Selenicereus macdonaldiae grows easily and quickly, preferring a rich porous soil, some shade, generous waterings in summer. Propagated from flowering plants. 12"-14", $1. Small..... **67c**

PEANUT CACTUS

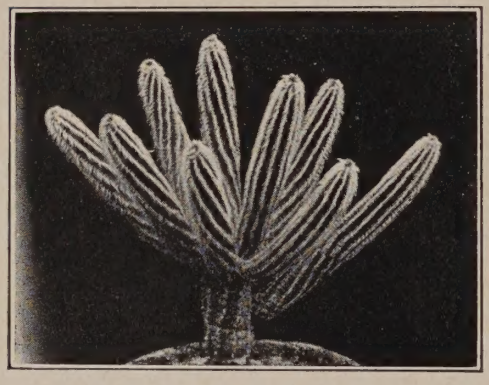
Clustered stems with many babies. Chamaecereus sylvestrii has scarlet blossoms. Give full sun and a cool winter rest for best flowering. Harmless spines. Nice..... **42c**

HEDGE HOG CEREUS

3" violet-red blossoms, white center. Clusters of many finger-like stems. Easily flowered Echinocereus pentalophus is a must. Flowering 75c, small..... **50c**

JOSEPH COAT

Variegated pads of yellow, green, and pink. The branch buds are bright red. Opuntia vulgaris var. Full sun for best color. Each..... **60c**



LAMB'S TAIL

Stem clothed with silky white hairs. Wilcoxia papillosa bears pink dahlia-like blossoms. We offer sure to grow, sure to flower, **branched grafted plants** in pots at..... **$1.49**

OPUNTIA MAVERICK

A miniature Xmas tree. Seldom over 4", dark, [illegible] w [illegible]s ores of branchlets. Opuntia tuna monstrosa is easily grown. Potted..... **79c**

HARDY HEDGE HOG

We are unable to supply the pink-flowered Frilled Lace Cactus (pictured above) this year, but are substituting Echinocereus dasyacanthus with large yellow flowers (see p. 31). Mature flowering plants **75c**

WHITE CHIN CACTUS

Should be in every collection. A real spiny plant with black, curved spines. Charming white blossoms in June. Gymnocalycium schickendantzii is easily grown, sandy loam, moderate watering, sun. Nice plants 50c and **75c**

LEMON BALL

Notocactus mammulosus is a must for the beginner. Stands lots of cold. Rich porous soil, moderate waterings. Mature blooming 3 years $1, 2 year **50c**

GLORY OF TEXAS

Gorgeous crepe-like brilliant pink blossom 2"-2½" across. Our plants are all mature flowering specimens with dormant flower buds. Thelocactus bicolor likes light soil or sand with leafmold, moderate watering. Nice 2" flowering 75c. Specimens..**$1**

QUARTET Collection K 23. Four Fine Flowering Cacti..... $2.25

RAINBOW CACTUS

Gorgeous flowers on 2'' plants! Each flower often larger than the plant. One of the easiest to flower, Echinocereus melanocentrus is a must. Porous loam, full sun, watering generously in summer when outdoors. Hardy. Nice flowering 75c. Small flowering..... **50c**

ARTHROCEREUS. Small plants, long tubed nocturnal flowers. A. microsphaericus, many jointed $1, A. rondonianus, yellow spines $1.50, **Acanthocereus.** Night blooming trailing cacti. A. sp. Antioquia $1, columbianus $1, horridus $1, pentagonus $1; **ARMATOCEREUS.** So. American equivalent of Lemaireocereus. A. cartwrightianus $1, chalaensis $1, matucanensis $1, mocupensis $1, nazcaensis $1, solitarius $1; **CEPHALOCEREUS.** Old Man Cacti. C. alensis $1, arrabidae $1, catingicola $1, glaucochrous (blue stemmed) 2''-4'' $1, hoppenstedtii (mature, small) $3.50, purpusii $1.75; **CEREUS.** Tree cerei, night flowering, edible fruits. Make nice specimens. Hardy to 27°F. C. azureus (bright blue). Nice. $2, forbesii (blue stem) $1, horribarbus 6'' 75c, variabilis $1, xanthocarpus 75c; **CORRYOCACTUS.** melanotrichus $1; **CLEISTOCACTUS.** Slender stemmed, clustering cacti, tubular flowers. C. dependens $1, hyalacanthus (Snowy Torch) $1; morawetzianus $1; tupizensis $1.50.

BLUSH

Lovely blush-pink flowers, the tube clothed with silky hairs. Of our Chamaelopsis series, easily grown and flowered, full sun, generous watering in summer, occasional feedings with Johnson's Cactus Food, will result in a bounteous display. Clustering stems to 5'', each producing several flowers. We are proud of this beauty, and know that you will be pleased. Nice clustered flowering plants..... **$1**

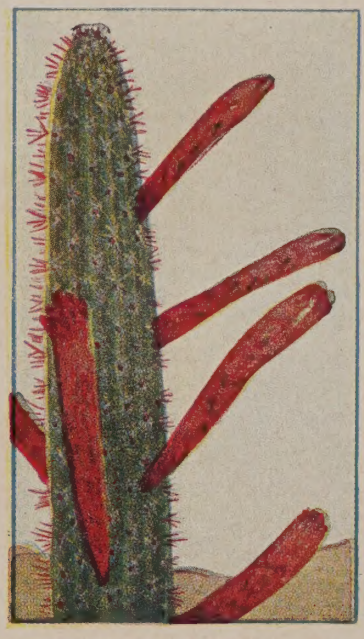
CEREUS HYBRIDUS MONSTROSUS

At Right

Strange weird growth! Growing more upright than Curiosity Plant, this variety forms unusual handsome specimens attracting the eye of all who see it. The gnarled, twisted habit is permanent. Easily grown, requiring only sun, porus loam, generous watering in summer. Nice, well formed 4''-5'' plants..... **98c**

PAPER SPINED OPUNTIA

Papery ribbons instead of spines. Tephrocactus glomeratus is an odd cactus from Argentina. The joints are easily detached and root readily in sand. Each..... **42c**



SCARLET BUGLER

Tubular blossoms like firecrcakers. Cleistocactus baumanni flowers all summer. Rooted cuttings from mature plants, sure to flower..... **60c**

BEAVER TAIL

When in flower, the loveliest of all California cacti. Opuntia basilaris has glorious rose-pink blossoms, each fragile petal like crumpled Chinese silk. Sandy soil with moderate watering, sunny location. The pads often color violet in full sun. Hardy to 10° F. Each..... **49c**

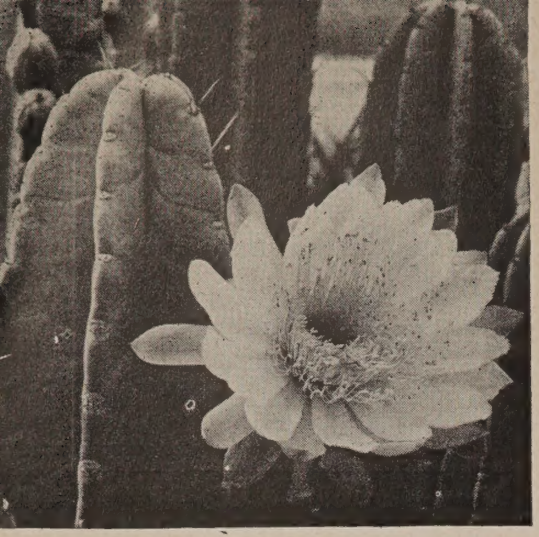
MOON CACTUS

Large white blossoms opening early evening, closing late next day. Brilliant scarlet fruit. Eriocereus are very free flowering, growing easily and quickly. Water generously during summer..... **75c**

FIRE CHIEF

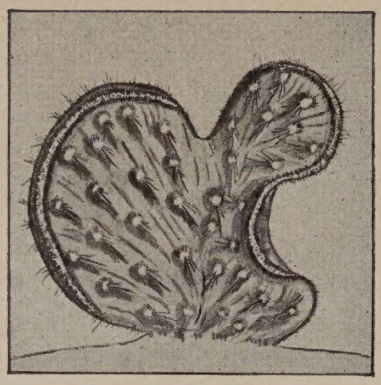
DOZENS OF FLOWERS IN A SEASON!

Full petalled, flame colored blossoms, often a dozen or more at a time. A Chamaelopsis hybrid of our own, selected for easy culture and free flowering qualities. Porous loam, full sun, generous watering in summer. Nice flowering..... **90c**



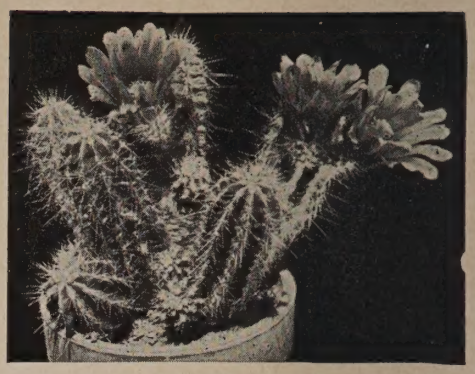
DAYAM'S TREE CEREUS

Bears tomato-like, half-pound fruits, fragrant and delicious, the pulp crystalline white and sweet. Tree-like, making a good pot plant. Cereus dayamii. Nice 6" plants..... **60c**



CRESTED OPUNTIA

Crested plants with their odd convoluted stems are among the most interesting of all. Opuntia serpentina cristata is among the easiest to grow Rich porous loam, full sun, watering generously during summer..... **75c**



PURPLE HEDGE HOG CEREUS

Dazzling wine purple blossoms 3" across that last for a week. Clustering stems to 6" tall furnished with stiff white spines. A beautiful species of easy culture. Give it a rich loam soil and plenty of water in summer. Keep Echinocereus sarrisophorous on dry side during winter..... **64c**

REMEMBER—ALL PRICES POSTPAID!

TRICHOCEREUS

A large flowered group of S. American cacti of easy culture and fast growth. Columnar, some branching, and others forming trees. Flowers nocturnal. They like a rich porous soil, sunny location. **T. akersii.** Handsome white haired plants with apricot pink flowers. $1, **T. bridgesii.** Blue stems 6" cuts $1, **T. candicans** 75c, **T. cuzcoensis.** Cuttings $1.25. **coquimbanus.** A Chilean species, small $1, **gladiatus** $1, **huanucoensis.** Giant, almost spineless variety. $1. **knuthianus** 6" cuts. $2, **lamprochlorous.** Large flowered $1, **litoralis** cuts $1, **macrogonus.** Huge flowers. 6" cuts. $2. **pachanoi.** Spineless. 6" cuts $1. **pasacana.** Nice seedlings. 75c, **poco.** Handsome red flowers. $1. **puente pampas.** New species. Nice $1.75. **schickendantzii** $1. **thelogonus.** Creeping. $1.

CHAMAECEREUS
PEANUT CACTUS

There are several varieties of the Peanut Cactus now available. All are easy to grow. **C. Jumbo.** A large growing form **60c, C. giganteus.** Bears large watermelon red blossoms **$1, C. sylvestrii var. grandiflora.** A new hybrid with flowers to 3"....**75c**

VARIOUS CEREI

MORAWETZIA doelziana. Small white hairy cereus with brilliant pink blossoms. 5"-6" rooted cuts $1.50; **BOLIVICEREUS samaipatanus.** Slender clustering cereus $1; **ERDISIA limitambensis.** Slender cereus, brilliant blossoms. $1.25; **E. maxima** $1.25; **Weberocereus biolleyi.** Small climber. 75c; **W. trichotus.** Handsome. 75c; **WERCKLEOCEREUS glaber.** White flowers. 75c; **Oreocereus trollii.** Old Man of the Mountains. Beautiful snowy wool. Choice. 90c; **O. neocelsianus** $1. **THRIXANTHOCEREUS blossfeldiorum.** Handsome tall cereus with white beard-like pseudocephalium. Nice 5"-6" rooted cuts. $2.50. **MYRTILLOCACTUS.** Shrub-like cacti, blue stems. Mexico. **M. grandiareolatus, 75c. BORZICACTUS.** A So. American genus with small but brilliant flowers. Often, orange or cerise. **B. fieldianus.** A beauty $1.75. **ESPOSTOA LANATA** (Peruvian Old Man). Nice plants, $1. **NYCTOCEREUS.** Night blooming **N. serpentinus** (Snake Cactus) 75c, **N. oaxacensis** $1.25. **WILCOXIA.** Small Mexican cerei with very pretty blossom. Grafted plants. **W. australis.** A jewel. $1.50. **W. poselgeri** $1.50, **W. viperina** $1.50; **LEMAIREOCEREUS.** Generally tall tree cerei branching from base. **L. chichipe** 75c; **L. pruinosus,** Powder Blue Cereus 60c; **L. thurberi,** Organ Pipe, 1" seedlings 60c.

RARE GENERA

Samaipaticereus. Slender, few ribbed cacti from Bolivia. **S. corroanna** $1.50, **S. peruvianus** $1.50. **Borzicactella.** Slender, many ribbed stems. **B. viperina** $1.50; **B. prostrata** $1.50; **PENIOCEREUS.** Handsome night flowering cereus, tuberous roots. **P. greggii** $1.25, **P. johnstonii** $1.25; **SETICEREUS.** Lovely plants with bright yellow or reddish spines. Flowering heads produce bristles. **S. icosagonus,** Peru $1.75, **S. humboldtii** $2; **EULYCHNIA.** A Chilean genus of shrubby, very spiny cacti. Rare. **E. castanea** $1.25, **E. iquiquensis,** handsome $1.25, **E. spinabarbis,** seedlings $1; **HAAGEOCEREUS.** An attractive Peruvian genus, close set bristly spines. **H. acranthus $1, H. arenosa $1. PYGMAEOCEREUS.** Very small cerei, often no larger than your thumb, with fragrant white flowers at night. Tuberous roots, cluster forming. Very rare. **P. akersii.** The tiniest $1, **P. napinus** $1, **P. nycticallis** $1, **P. vespertinus** $2. **STETSONIA coryne.** A much prized collector's item from Argentina. Beautiful blue stem, very long bleak spines. 2"-3" beauties $1; **Jaenocereus nigripilus.** A new genus from Peru $1.50; **RATHBUNIA alamosanus.** Mexico $1.

NIGHT BLOOMING CEREI

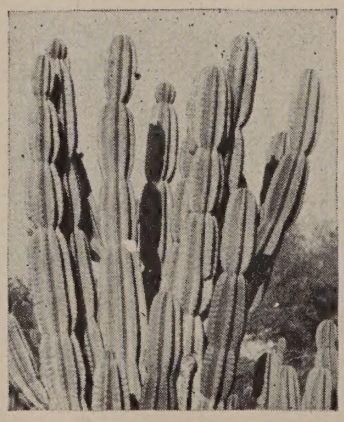
Many of the semi-climbing cacti open their huge flowers at night. Often they are grown in too much shade to mature growth which is necessary to flowering. Give moderate to full sun and fertilize regularly. **HYLOCEREUS.** Wood cereus. Triangular stems, huge 12"-14" blossoms. **H. bronxensis** $1.25, **H. calcaratus** $1, **costaricensis** $1, **extensis** $1, **guatemalensis** $1, **ocamponis** $1, **peruvianus** $1, **stenopteris,** dark red $1.50, **undatus** $1, **polyrhizus** $1. **MEDIOCACTUS COCCINEUS** $1.25, **M. megalanthus** $1. **ERIOCEREUS.** Tall climbing cerei. Easily grown, freely flowering. Require more sun than Hylocereus. **Eriocereus bonplandii.** A glorious species with 6" white flowers. Mature plants produce hundreds of flowers. 6" rooted cutting from flowering specimens $1, **E. martinii** 75c, **guelichii** 75c, **justbertii** $1, **pomanensis** $1, **regellii** (Pink Moon) $1.25, **Wilmattea minutiflora.** Rare. $1.50 **SELENICEREUS.** Slender stemmed trailing or climbing, aerial and terrestial roots. Often almost spineless. Large, showy flowers. Night blooming. Give rich humusy soil, generous watering in summer, some shade. **S. coniflorus** $1, **donkelaarii.** Large white and gold flowers, small grower $1, **grandiflorus** $1.50, **grandiflorus armillatus** $1, **hamatus** $1, **hondurensis** $1, **murrillii** $1 **spinulosus** $1, **urbanianus** $1, **vagans** $1, **werckle.** $1, **tonduzii** $1.

CACTI FOR THE AMATEUR

An excellent introduction to cactus lore. 142 pages, 160 photos. Cloth bound. Postpaid.....**$3.95**

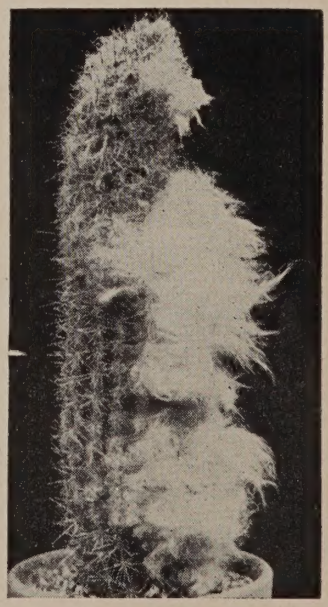
MOON CEREUS

Dozens of snowy white blossoms followed by scarlet fruits on 3-4 year old plants of Eriocereus martinii. A vigorous grower needing a rich loam. Rooted cuttings from flowering plants..... **75c**



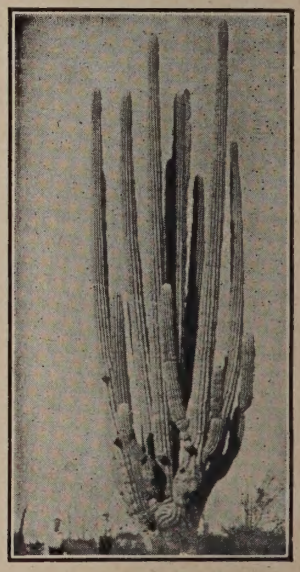
FLOWERING TREE CEREUS

A free flowering specimen plant. Everyone enjoys Cereus gonianthus because of its large, lily-like flowers and handsome fruits, sweet and edible with crystalline pulp. Large plants may be stored during winter in a frost-free basement. Nice 5" plants..... **60c**



WOOLLY TORCH

Masses of long, silky, white hair on mature branches at flowering time. Cephalocereus palmeri turns a beautiful blue on young branches. Nice. Small plants..... **60c**

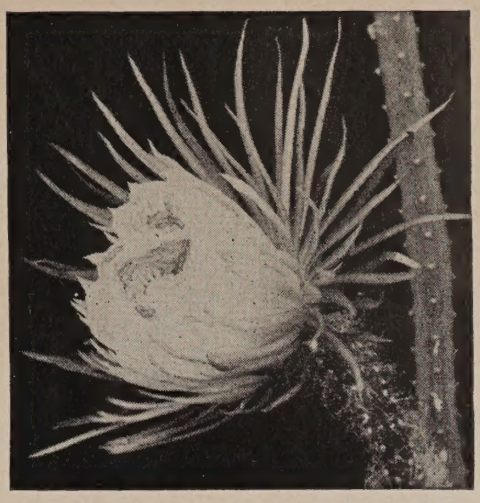


GIANT MEXICAN CEREUS

Pachycereus pringlei as it grows in Baja California. Since it grows slowly, they make fine window garden plants. Nice $1, 75c, small..... **50c**

FLAME PEANUT

A free flowering Chamaecereus hybrid. Orange-red blossoms. Similar in habit to Peanut Cactus but of heavier growth. Vigorous, forming clumps. Full sun, rich loam, watering generously in summer. Nice..... **60c**



PRINCESS OF NIGHT

One of the largest flowers in the cactus family. Huge chalices of purest white surrounded by narrow golden sepals. Spectacular. Selenicereus pteranthus flowers well on small matured stems. Ours are rooted cuttings from flowering plants. $1, smaller..... **64c**

HEDGE HOG CEREUS

Count them! Over 20 blossoms on this clump (about 20'' across). Echinocereus pentalophus is a glorious display when in flower—and so easy to flower! Nice 75c, smaller..... **50c**

DEAMIA TESTUDO. A very curious monotypic genus from Central America. Climbing, 3-8 angled stems, aerial roots. Stems flattened against tree trunk, with ribs humped up not unlike carapace of a tortoise. Very rare. Rooted cuttings, $1.75. **MONVILLEA.** Pretty S. American cerei with large, white, nocturnal flowers. **M. mocupensis.** New. Peru. $1. **pucuraensis.** New. $1. **speggazinii.** Marbled blue, $1, **maritima** $1. **M. saxicola** $1. **cavendishii.** Brazilian Rock. 75c.

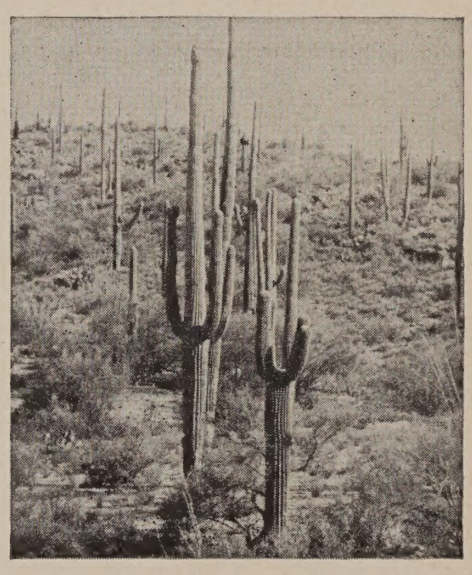
Additional Genera Belonging to the ECHINOCACTI CORYPHANTHA. A large group related to Mamillaria generally with much larger flowers. Culture as for Mamillaria. **C. andreae,** yellow blossoms, 75c; **bumamma,** cream colored, small 75c; **clava,** tall growing, white spines, small 60c; **erecta,** attractive species, small seedlings 50c; **macromeris,** an attractive species from west Texas and Mexico, 2''-3'' purple flowers, mature flowering specimens $1.50; **pycnacantha,** yellow flowers, small 1''-1½'' $1; **radians,** 2''-3'' flowering specimens, yellow flowers, $1; **runyoni,** large taproot, purple flowers, 1'' $1.25; **scolymoides,** small 1'' 75c; **MILA.** Sometimes called the So. American counterpart of Echinocereus. Woolly areoles, bristly spines. **M. alboareolatus,** small. $1.50.

THE BOOK OF CACTI and OTHER SUCCULENTS

As an introduction and source of general cultural information this book cannot be beat. 243 pages, 22 drawings, 14 photographs, 4 color plates. The distinction between cacti and succulents is clearly explained. The various families of succulent plants are simply outlined. The outstanding genera and species are well described. **Postpaid** **$4.65**

DWARF CENTURY PLANT

A very handsome Agave with short, broad, blue leaves margined with chestnut brown thorns. Agave potatorum verschafeltii is seldom seen. Well formed plants 4''-6''..... **$1**



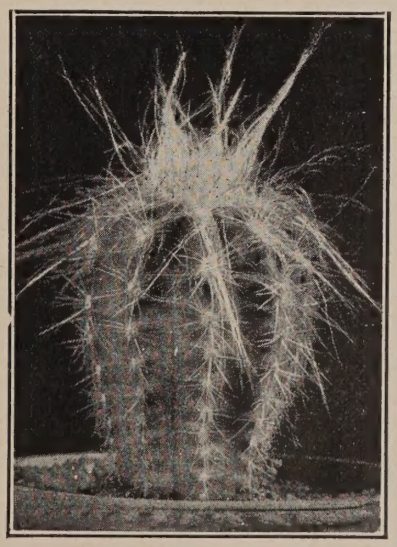
SUHUARO

These magnificent giants of the Arizona landscape stir the imagination. Sentinels of the desert. Since they come from a dry climate, plant in porous loam, full sun, watering carefully if indoors. Carnegia gigantea 2''-3'' seedlings..... **75c**

ALL ORDERS OF $10. OR MORE — TAKE 10% DISCOUNT: ORDER $10. WORTH—PAY ONLY $9.! SHIPPED POSTPAID.!

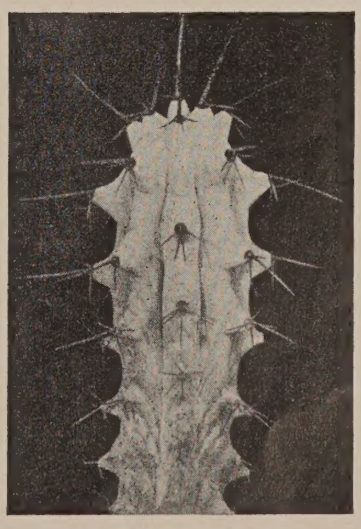
OLD MAN OPUNTIA

Woolly stems to 6'' or 8''. Young branches have fleshy leaves which eventually drop, giving way to the wool of mature stems. Opuntia vestita enjoys full sun, porous loam, moderate watering during summer. A must for every fancier. Nice plants in pots..... **98c**



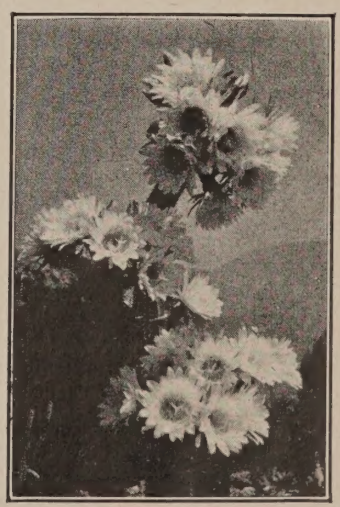
OLD MAN OF THE ANDES

Long silky hair bedecks this beauty. Oreocereus neocelsianus develops brick red spines and more hair as it grows. Give full sun for best color. Nice..... **$1**



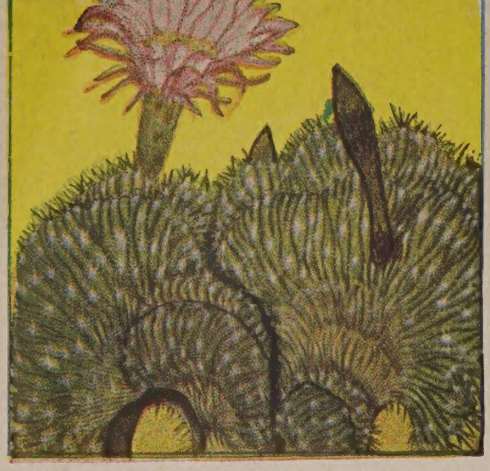
LEMAIREOCEREUS BENECKII

Slender fluted columns heavily powdered with waxy bloom. Young spines are reddish, but soon mature to jet black. Beautiful seedlings 2''-3''..... **98c**



WHITE TORCH

6'' snowy white blossom. Slender columns to 3', branching from base. Rich loam, watering generously during summer. Trichocereus spachianus. Nice plants..... **50c**



THE CRESTED HEDGE HOG

Echinopsis multiplex cristata is one of the most curious of cacti. They have a bizarre, ruffled growth bending and curving into fluted piles. Same care as Easter Lily Cacti. Nice crests each..... **$3.50**

GOLDEN BALL

Handsome golden-haired, clustered cacti with bright yellow blossoms in late spring. The spines are quite harmless, just flexible hairs. Notocactus leninghausii grows easily for everyone. Nice, small specimens 3''-4'' $1.50. 2''-3'' $1. Small 1''-1½''..... **50c**

PINK CROWN

A real joy for the beginner, Rebutia violaciflora, flowers for everyone. It blossoms from January to May. Give it a sunny or partly sunny location and see that it does not get too dry. Nice flowering each..... **75c**

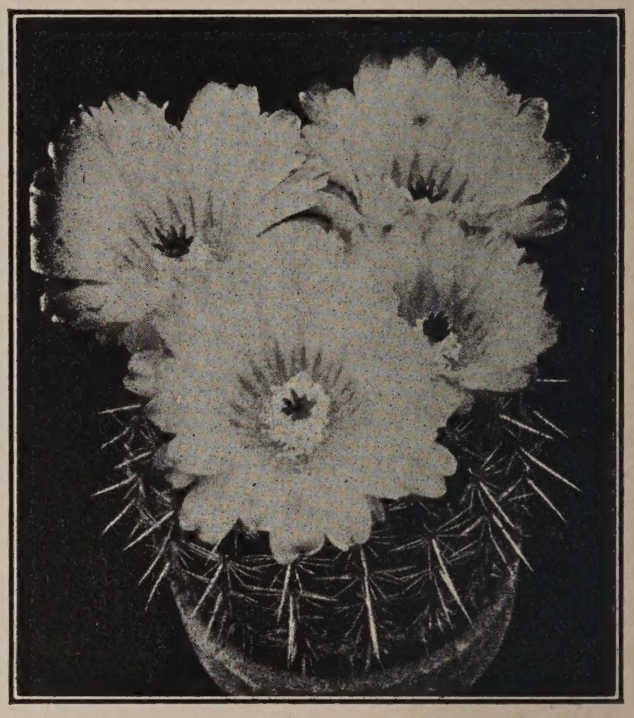
PLAID CACTUS

A prettily banded Chin Cactus, Gymnocalycium mihanovichii, with flowers varying from chartreuse to pale yellow. Flowers freely all spring and summer. Nice, each..... **75c**

LEMON VINE

A true cactus, Pereskia pereskia, has large leaves and waxy, lemon-scented, creamy flowers. May be trained as a bush or will climb as a vine. Potted, each..... **60c**

Golden Leaved Lemon Vine. Pereskia rubescens has bright, coppery-gold leaves. A choice foliage plant seldom seen. Potted..... **85c**



NOTOCACTUS MAMMULOSUS

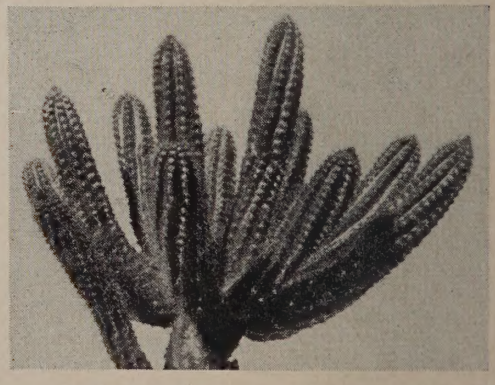
A very fine cactus with handsome yellow flowers. Remains no larger than 3''-4'' and flowers freely in spring. 5-7 year old specimens **$2.** Smaller **$1.35** Flowering..... **50c**

NOTOCACTUS PAMPEANUS

A charming late spring flowering cactus. Given a sunny location it flowers very freely. A vigorous, easily grown plant for the beginner. Large, well colored plants $1.50. Nice 1''-1½''..... **50c**

GRANDMOTHER'S XMAS CACTUS

This very well known cactus, Schlumbergera bridgesii, is an old favorite. 50 year old specimens 3' or more in diameter are not uncommon. They may have 500 or more blossoms each winter. Larger plants 3-4 years **$1.50,** smaller **$1.** Nice plants potted **50c** and..... **75c**



BLACK LAMB'S TAIL

Nice branched, grafted specimens of Wilcoxia schmollii. These have black and white, minute, harmless spines and handsome large pink blossoms. Grafted, potted each..... **$1.50**

JOHNSON CACTUS GARDENS

COME SEE US! 16613 S. Garfield Ave., Paramount, California